

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL
INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1905.

JANUARY 29, 1906.—Referred to the Committee on Agriculture and ordered to be printed.

To the Senate and House of Representatives:

I transmit herewith a report, by the Secretary of Agriculture, of the operations of the Bureau of Animal Industry of that Department for the fiscal year ended June 30, 1905, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

THEODORE ROOSEVELT.

THE WHITE HOUSE, *January 29, 1906.*

DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., January 23, 1906.

THE PRESIDENT:

I have the honor to submit herewith, for transmittal to Congress, a report of the operations of the Bureau of Animal Industry of this Department for the fiscal year ended June 30, 1905, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1905.

TUBERCULOSIS.

TUBERCULOSIS OF HOGS.

The increasing proportion of tubercular hogs found by the meat-inspection service is a matter of grave concern for the producer, for the packer, and for the consumer. During the past fiscal year 0.25 per cent of all carcasses inspected were condemned and destroyed because affected with this disease. During the month of July, 1905, the condemnations for tuberculosis were 1.47 per cent of all the hogs killed at one of the largest packing houses in this country, while at another equally large establishment the condemnations for the same month reached 1.35 per cent of all carcasses. In addition to the carcasses condemned there were as many more slightly affected which were not condemned. In other words, about 3 per cent of the hogs coming to some of our largest abattoirs are affected with tuberculosis.

This fact indicates a rapid increase of the disease among this species of animals, and calls for a searching investigation as to the cause and the most certain means of control. No doubt the running of hogs in the same pastures with cattle, the feeding of unsterilized milk from the creameries, and the practice of many farmers of allowing their hogs to consume the carcasses of cattle which have died of disease are causes to which a part of the infection may be attributed; but the time has come to inquire if the breeding stock of pure-bred hogs has not become contaminated to such a degree that the disease is being disseminated by such animals and the stream of hog production poisoned at its source.

The hog carcasses destroyed on account of this disease last year would have cost the packers at present prices nearly \$1,000,000, and at the present rate of condemnation there would be nearly twice as many seized. Up to this time the loss has fallen upon the packers, but undoubtedly a way will soon be found by them to shift the burden upon the producer. A loss of from \$1,000,000 to \$2,000,000 a year from this cause is a very serious one, and the farmers can ill afford to have this added to the other losses which they suffer from hog diseases.

The subject is one which calls for immediate inquiry and for adequate measures of control before the disease becomes so prevalent as to make repression a difficult or impossible task.

EXPERIMENTS WITH TUBERCLE BACILLI.

The comparative study of tubercle bacilli from varied sources which has been carried on for several years by the Pathological Division has been completed and the results of the investigation are in course of publication. In addition to the human and bovine cultures that were used in the above work, numerous other cultures have been obtained during the past year from birds and wild animals of varied species which have succumbed to tuberculosis while in captivity. These cultures are under such cultural inoculation tests as will determine their characteristics and locate them in their relation to the tubercle bacilli previously studied. It having been found that morphological and cultural characteristics are not always trustworthy as indicators of the origin of some particular cultures of tubercle bacilli, the method of reaching such determination by means of the chemical reaction in cultures growing upon glycerin bouillon has appeared worthy of investigation. Many cultures have been submitted to this test, and the results will be recorded soon. The extent of the immunity from tuberculosis which may be given cattle by means of intravenous inoculations with attenuated cultures of tubercle bacilli is under study. This opportunity will also be utilized to determine if the tubercle bacilli so injected into the circulation of cows during the period of lactation are excreted in the milk as well as in the saliva and urine.

New regulations in regard to the condemnation of tuberculous carcasses have been sent to the inspectors of the Bureau for the purpose of gaining greater uniformity in the disposal of the slightly affected carcasses, and many tuberculous glands and other parts of hogs and cattle have been sent to the laboratory that the real extent of the disease might be determined through microscopical examinations and inoculation experiments. This has been very helpful in assisting inspectors at the abattoirs to estimate accurately from the naked-eye appearance of the dressed carcass the degree of progress which the disease has made within the tissues of the animal, and has thus helped them in making proper disposition of the affected meat.

The results of the experiments in the Biochemic Division concerning the infectiousness of human tubercle bacilli for cattle were published during the past year as Bulletin 52, Part II. Certain observations published as Circular 60 of this Bureau show that tubercle bacilli of bovine origin may grow out into long filaments, the usual short form of bovine tubercle bacilli becoming long when the organism is grown upon a specially prepared medium. A number of experiments are in progress now looking to a better understanding of the chemical changes produced in nutrient media by the growth of tubercle bacilli upon them.

THE DISTRIBUTION OF TUBERCULIN.

During the past year 75,041 doses of tuberculin were prepared in the Biochemic Division and shipped to authorized health officers in the States named below and in the quantities indicated:

Doses of tuberculin distributed, fiscal year 1904-5.

	Doses.		Doses.
Arizona -----	12	New Jersey -----	1, 783
California -----	278	New Mexico -----	108
Colorado -----	126	New York -----	99
District of Columbia -----	604	North Carolina -----	351
Georgia -----	132	North Dakota -----	340
Idaho -----	48	Ohio -----	327
Illinois -----	42	Oklahoma -----	78
Indiana -----	3	Oregon -----	425
Iowa -----	534	South Dakota -----	60
Kentucky -----	56	Texas -----	3
Maine -----	81	Utah -----	44
Maryland -----	46	Virginia -----	186
Massachusetts -----	17, 080	Vermont -----	17, 236
Michigan -----	773	Washington -----	5, 138
Minnesota -----	18, 717	Wisconsin -----	4, 600
Missouri -----	815		
Montana -----	4, 700	Total -----	75, 041
Nebraska -----	216		

At the experiment station of the Bureau considerable time has been spent in collecting and preparing for publication the data of the tuberculosis investigations of the past three or four years. Cow No. 218, mentioned in the last two reports, is still on hand. This cow received an injection of human tubercle culture into one quarter of her udder, and on June 27, 1905, nearly three years and nine months after the injection was made, the material secreted by the injected quarter of her udder was infectious for guinea pigs on subcutaneous injection. Mention was also made of her having produced a calf. This calf sucked its mother until it was 12 months old, and is now in excellent condition. Tuberculin tests of both cow and calf were made in February, 1905, and both were negative. The unaffected quarters of the cow's udder produced a considerable quantity of normal milk, which was tested on guinea pigs, with negative results. The injected quarter of the udder remained very much shrunken, and at best did not secrete above 6 c. c. of material per day. This material had the appearance of very poor milk, but on standing threw down a gray precipitate.

THE TUBERCULIN TEST IN ENGLAND.

The Department regulations in Bureau of Animal Industry Order 109 provide for the tuberculin testing of all cattle over 6 months old to be imported for breeding purposes from Great Britain and Canada. Those from Great Britain must be tested by an inspector of this Bureau who is stationed in that country; those from Canada are admitted upon a certificate of tuberculin test by a Canadian official

veterinarian or an inspector of this Bureau. Cattle tested with tuberculin by the Bureau inspector in Great Britain, with the results, during the fiscal year ending June 30, 1905, are given below:

Results of tuberculin test in England of cattle for importation.

Breed.	Passed.	Rejected.
Ayrshire	7	5
Guernsey, in England	3	2
Highland	3	0
Dexter Kerry	7	3
Shorthorn	2	1
Total	22	11

BLACKLEG.

IMPORTANCE OF DISTRIBUTING BLACKLEG VACCINE.

During the last seven years the Bureau has been distributing blackleg vaccine to the stock raisers of the country, who use it to protect their young cattle from the disease known as symptomatic anthrax, or, popularly, as blackleg. At the beginning of the distribution the losses from this disease were very serious, amounting to 10 to 15 per cent of the young stock annually. By the use of the vaccine the loss has been reduced to one-half of 1 per cent, and the disease seems to be disappearing. It was anticipated that by continuing the vaccination for a series of years the infection in the soil, not being renewed, would gradually die out, and in the course of time it would be possible to dispense with the vaccination. As the bacillus of this disease forms spores, it lives for a long time in the soil, and only experiments continued for a considerable number of years could determine how long a time would be required for the eradication of the contagion.

This distribution of vaccine is therefore very important both to prevent the annual losses and as a means of eradicating the contagion from the infected pastures; and, in fact, the cattle industry in some sections is dependent upon it, as cattle could not be profitably raised without vaccination, owing to the heavy losses from this disease. The Bureau should consequently continue to supply this vaccine as one of the cheapest and most efficient means of protecting the stock raisers from the ravages of disease.

DISTRIBUTION OF VACCINE DURING THE YEAR.

The preparation of vaccine and its free distribution to cattle owners in all parts of the United States has been continued in the Pathological Division during the past year. The large number of doses distributed and the small cost of production to the Government, in comparison with the immense saving afforded cattle raisers and feeders, render this the most important routine work of the pathological laboratory. The table below shows that the demand for vaccine has increased 59,130 doses over that supplied during the previous year. As usual, the greatest call for the material occurred during the fall and spring, the highest monthly output being

recorded in October, when over 245,000 doses were distributed. During the entire year a total of 1,395,970 doses were sent out, and the distribution of these among the various States, as well as the general results obtained from the vaccine supplied during the preceding year, may be seen in the tables.

Doses of vaccine distributed during the fiscal year ended June 30, 1905.

July 1 to December 31, 1904:

	Doses.
July	32, 875
August	68, 665
September	99, 170
October	245, 050
November	235, 065
December	132, 245

January 1 to June 30, 1905:

January	95, 920
February	69,435
March	152, 540
April	132, 940
May	67, 540
June	64, 525

Total 1, 395, 970

Results obtained from vaccine distributed during the fiscal year ended June 30, 1904.

State or Territory.	Num- ber of re- ports.	Num- ber of cattle vacci- nated.	Deaths same season pre- vious to vac- cination.		Died after vaccination.					
			Num- ber.	Per cent.	Within 48 hours.	From 2 to 7 days after.	Within 1 year.	Num- ber of cases due to mis- takes.	Total num- ber.	Per- cent- age of deaths.
Arizona	40	4,653	92	1.97	2	8	13	-----	23	0.49
Arkansas	22	1,165	71	6.09	-----	3	11	-----	14	1.20
California	478	61,261	812	1.32	38	46	221	2	307	.50
Colorado	567	68,560	856	1.24	11	84	290	12	397	.57
Idaho	49	3,057	86	2.87	3	-----	4	2	9	.29
Illinois	60	2,699	101	3.77	1	-----	15	-----	16	.59
Indiana	6	2,252	10	3.96	-----	-----	14	-----	14	5.55
Indian Territory	48	3,812	133	3.48	1	6	20	-----	27	.70
Iowa	116	6,701	171	2.55	8	5	27	-----	40	.59
Kansas	898	76,493	1,479	1.29	34	110	201	7	352	.46
Kentucky	32	1,178	63	5.34	1	-----	1	-----	2	.16
Michigan	5	504	9	1.78	-----	1	-----	-----	1	.19
Minnesota	40	2,922	74	2.53	-----	-----	1	-----	1	.03
Missouri	704	101,300	802	.79	19	47	204	1	271	.26
Montana	345	35,489	676	1.90	8	16	70	18	112	.31
Nebraska	1,793	139,003	2,520	1.81	95	152	612	33	892	.64
New Mexico	25	4,398	144	3.27	2	3	55	22	82	1.86
New York	14	1,482	29	6.01	-----	-----	5	-----	5	1.03
North Carolina	27	1,267	32	2.52	1	-----	1	-----	2	.15
North Dakota	469	42,494	740	1.74	12	39	155	2	208	.54
Oklahoma	84	7,225	148	2.04	1	5	26	-----	32	.44
Oregon	79	10,846	144	1.32	3	4	10	-----	17	.15
South Dakota	484	48,383	881	1.82	19	36	154	-----	209	.43
Tennessee	42	1,002	86	8.58	10	-----	7	-----	17	1.69
Texas	876	145,113	2,368	1.63	69	155	718	11	953	.65
Utah	19	3,522	33	.93	1	2	9	-----	12	.34
Vermont	7	113	24	21.23	1	-----	6	-----	7	6.19
Virginia	274	8,612	215	2.48	1	5	40	-----	46	.53
Washington	105	3,632	145	3.99	-----	6	15	-----	21	.58
West Virginia	103	3,183	85	2.67	4	4	23	-----	31	.97
Wisconsin	9	281	17	6.04	-----	-----	6	-----	6	2.13
Wyoming	299	50,912	472	.92	14	69	152	4	239	.44
Other States	6	274	2	.72	-----	-----	-----	-----	-----	-----
Total	8,125	840,788	13,520	1.60	359	806	3,086	114	4,365	.51

There are several interesting features connected with the above table. For instance, the annual loss from blackleg before vaccination in those localities where cattle are not immunized yearly or where they have not been vaccinated in time is lower than ever, indicating that there is less blackleg in the country than in any year since vaccination began. It is also gratifying to know that the number of cattle which died as a result of carelessness, or of any other acknowledged mistake, has been reduced to 114 cases. In estimating the merits of the vaccine it is necessary to deduct this number of deaths admittedly due to mistakes, and the number of cattle which died within two days after inoculation as a result of having been infected prior to vaccination from the total number of deaths following inoculation. We would therefore have 3,892 deaths following the injection of over 840,000 animals, or a mortality of 0.46 per cent.

HOG CHOLERA.

Further experiments in the biochemic laboratory have thoroughly substantiated the statement in Circular 41, to the effect that a filterable virus is chiefly, if not wholly, responsible for the outbreak of the highly infectious form of hog cholera met with in southwestern Iowa. This filterable virus is present in the blood of sick hogs and is capable of inducing an attack of the disease when injected subcutaneously. When the blood serum of sick hogs is diluted with ten volumes of salt solution or with beef broth the virus readily passes through the finest porcelain filters, and this filtered serum is then capable of bringing on a typical attack of disease in hogs when injected subcutaneously, although it is without effect upon rabbits, guinea pigs, white rats, gray rats, white mice, gray house mice, and chickens. The disease produced in hogs by the filterable virus possesses all the characters seen in the natural disease, viz, contagiousness, infectiousness of the blood upon subcutaneous injection, immunity in those hogs which recover, and also the characteristic lesions and symptoms. All efforts to discover an organized form in the filtered serum have failed, and attempts to cultivate the unknown virus on the various media were equally fruitless.

Parallel with the experiments with the filterable virus a series of experiments was carried out with pure cultures of *B. cholerae suis*, which has been heretofore regarded as the sole cause of hog cholera. The use of that organism, however, failed to produce a disease which was contagious, or which showed the characteristic infectiousness of the blood during the course of the disease and immunity in those which recover. The details of these experiments are given in Bulletin No. 72. At the experiment station of the Bureau the endeavor has been made to produce a vaccine with virulent blood attenuated by mixture with glycerin and subjecting it for varying periods to a temperature somewhat above the fever temperature of animals or allowing it to age at room temperature or at a lower temperature. It was found that the germicidal and attenuating powers of different glycerins vary greatly, probably due to impurities in the glycerin. It was also found that blood left at ordinary room temperature and exposed to diffused sunlight loses its virulence much more rapidly

than that kept in a dark chamber at a fairly constant but slightly lower temperature. This applies to dried blood as well as glycerinated blood. In a number of instances immunity was conferred by injections of either heat or time attenuated glycerinated blood, but these results have not been constantly confirmed.

Several remedies reported to have given excellent results were tested, but all proved valueless as remedies for hog cholera.

TEXAS FEVER.

In the Division of Zoology ticks have been studied to determine their habits and rôle in the transmission of disease, especially Texas fever. The Texas fever tick ordinarily remains upon one host during its development from the larva to the replete ovigerous female, but experiments show that this is not always the case. If ticks are removed from a cow shortly after the first molt and placed upon another cow, they will attach themselves and mature upon the latter, and the same is true in regard to ticks thus transferred at the time of the second molt. These facts may explain certain cases of Texas fever, which sometimes develop in susceptible cattle within a few days after exposure to the tick-infested animals, the interval of time between exposure and appearance of symptoms being so short that it is impossible for infection to take place in the usual manner: that is, through the second generation of ticks, which require, under the most favorable circumstances, not less than two weeks, and usually much longer, to hatch out. In such cases it seems not improbable that ticks which have been rubbed off or otherwise detached from infested animals have fastened upon the susceptible cattle and infected them. Texas fever ticks removed from a cow just before the second molt molted and remained alive in the laboratory over two weeks, and ticks thus removed readily attached themselves to human beings and to rabbits, and sucked blood. This indicates that other animals than cattle and horses may, under a proper combination of circumstances, act as disseminators of Texas fever ticks. Heretofore the Texas fever tick, *Rhipicephalus* (*Boophilus*) *annulatus*, has been the only species of the genus known to occur in this country, but a second species, *Rhipicephalus sanguineus*, has recently been collected in Texas. The occurrence of this form in the United States is worthy of note for at least two reasons—first, it is a member of a genus several species of which are known to act as transmitters of disease among domestic animals, and, second, the females of the Texas fever tick and of *Rhipicephalus sanguineus* bear a striking superficial resemblance to one another, so that they are liable to be confused by the careless observer.

At the experiment station southern cow No. 1, though removed from all sources of infection for ten years, still carries the parasite of Texas fever, but injections of her blood made into two susceptible animals seem to produce only a mild type of disease. Cow No. 113, mentioned in the last report as having lost her infectiousness, after being removed fifteen years from sources of infection, was injected early in the year with virulent blood to determine whether she had lost also her immunity. No disease that could be detected developed, but that her blood became reinfected as a result of this injection is shown

by the fact that her blood injected into a susceptible animal produced rapidly fatal disease.

MYCOTIC STOMATITIS.

During the summer and fall of last year numerous letters were received relative to a disease affecting the mouth and feet of cattle in the Southwest, where it caused alarm among the stockmen owing to its similarity to foot-and-mouth disease of Europe, and gave rise to the fear that the contagion of this latter malady had spread to that section from the recent outbreak in New England. The disease was carefully investigated and found to be mycotic stomatitis, caused by grasses containing the red and black rusts. Later reports were received which indicated that this affection had made its appearance in northern California and in Oregon. An inspector sent to those points confirmed the above diagnosis. In order to give correct information concerning mycotic stomatitis, to assert its noncontagiousness, and to differentiate it from the virulent foot-and-mouth disease, which it so closely simulates, Circular No. 51 has been issued.

RABIES.

During the past year 45 suspected cases from various parts of the country have been examined. Of these, 22 resulted positively. Fourteen of this number, comprising 13 dogs and 1 cat, were received from the District of Columbia. Of the remaining 8 cases, 2 were forwarded from Georgia, 4 from Virginia, 1 from West Virginia, and 1 (the brain of a heifer) from Indian Territory. A tabulated list of these positive cases is given in the accompanying table:

Results of inoculation tests and microscopic examination for rabies.

Date.	Record No.	Kind of animal.	Received from—	Result of inoculation.	Diagnosis by histological examination.	Persons or animals bitten.
1904.						
July 6	343	Dog	District of Columbia ..	Positive	None made ..	Several persons.
July 7	344	do	Savannah, Ga.	do	Ganglia not forwarded.	
July 8	345	do	District of Columbia ..	do	do	
July 12	346	do	Norfolk, Va.	do	Not typical ..	1 boy.
July 18	347	do	Savannah, Ga.	do	None made ..	2 persons.
July 30	349	do	Hatton, Va.	do	Ganglia not forwarded.	
Aug. 12	350	do	District of Columbia ..	do	Positive	1 person and 8 dogs.
Aug. 30	351	do	do	do	do	1 person.
Sept. 22	352	do	Huntington, W. Va.	do	Ganglia decomposed.	Several dogs and children.
Sept. 27	353	do	District of Columbia ..	do	Positive	1 person.
Nov. 1	356	do	do	do	None made ..	1 person. Several persons.
Nov. 7	357	Heifer ..	Coalgate, Ind. T.	do	do	
Nov. 23	358	Dog	District of Columbia ..	do	Positive	
Dec. 13	361	do	do	do	do	
1905.						
Jan. 23	368	do	do	do	do	Several dogs.
Mar. 13	370	do	Manassas, Va.	do	Ganglia not forwarded.	1 girl.
Mar. 14	371	Cat	District of Columbia ..	do	None made ..	Several dogs.
May 10	376	Dog	Norfolk, Va.	do	Positive	
May 13	377	do	District of Columbia ..	do	do	
May 20	379	do	do	do	do	Several dogs.
June 14	385	do	do	do	do	Do.
June 25	387	do	do	do	Ganglia decomposed.	1 person.

NECROBACILLOSIS.

The study of the *B. necrophorus* has occupied considerable attention, resulting in a paper on the economic importance of this widely distributed micro-organism. It had been recovered previously in the Division of Pathology from multiple liver necrosis in a deer, disseminated liver abscesses in cattle, from the ulcers of the mouth and tongue in cases of necrotic stomatitis in calves and pigs, from ulcerative anovulvitis in cattle, and from cases of foot rot in sheep. This was the first demonstration of *B. necrophorus* as the cause of these two last-named disorders. During the last twelve months the economic importance of the necrosis bacillus has made itself still further apparent in the work of the Division. Rabbits suffering with Schmorl's disease, a cellulitis of the face and neck caused by *B. necrophorus*, have been brought to the laboratory for investigation, and two guinea pigs, likewise affected, were received from the Zoological Park. Chickens and a European kite from different sources, supposed to have died with so-called avian diphtheria, showed at the necropsy the presence in the exudate of *B. necrophorus*. Inoculations of the deep-seated intestinal ulcers of hog cholera and of the cheesy nodules inclosing the heads of *Echinorhynchus gigas* demonstrated the presence of the necrosis bacillus in these lesions in the pig. Two enzootics of foot rot in cattle furnished the same bacillus, and inoculation experiments showed it to be the causative factor.

In addition to the above, European observers have demonstrated *B. necrophorus* as the cause of the necrotic dermatitis of horses; of necrotic pocks found in the severer varieties of variola of cattle and swine; joint ill and necrotic omphalophlebitis of calves and foals; necrotic vaginitis and metritis of cattle; necrotic scratches and quittor of horses; necrotic inflammation and dry gangrene of the skin and subcutis of the teats and udders of cows; necrotic turbinated bones of a horse; deeply penetrating caseo-necrotic patches in all four stomachs of cattle, the paunches of deer and antelopes, small intestines of calves, cecum and colon of horses; necrotic processes on lips and nose of sheep. When it is remembered that the presence of only one of the morbid conditions noted may be the starting point of an enzootic outbreak of necrobacillosis in any of its forms among any of the domestic animals, there can be no question as to the importance of keeping the stockman fully informed as to the imminence of the infection and the prophylactic and therapeutic measures which can successfully cope with it.

CONTROL OF CONTAGIOUS DISEASES.

TEXAS FEVER.

During the quarantine season of 1904, 40,389 carloads of cattle, shipped from points below the quarantine line and intended for immediate slaughter, were received at packing centers; the number of animals carried in these cars was 1,087,474. In the noninfected areas of Texas and Oklahoma 228,277 head of cattle were inspected and permitted to be moved north for purposes other than immediate

slaughter. Supervision was exercised over the dipping with crude petroleum of 99,040 head of cattle and over the cleaning and disinfection of 37,120 cars.

SCABIES IN SHEEP, CATTLE, AND HORSES.

The total number of inspections of sheep for scabies was 53,680,786, and the total number of dippings was 16,873,659, of which 2,703,845 were redippings. As will be seen from the following tabulation, this shows an increase over the previous fiscal year of 31 per cent in inspections and 76 per cent in dippings.

Number of inspections and dippings of sheep for scabies, and cars cleaned and disinfected, fiscal years 1900 to 1905.

Year.	Inspections.	Dippings.	Cars cleaned and disinfected.
1900	1,801,392	626,835	-----
1901	7,912,724	1,034,368	-----
1902	11,186,661	1,017,162	791
1903	16,444,370	2,167,002	752
1904	40,967,961	9,578,476	2,732
1905	53,680,786	16,873,659	7,965

The total number of inspections of cattle for scabies was 14,085,267, and the total number of dippings was 563,394, of which 114,463 were redippings. Cars cleaned and disinfected, 29,897.

The total number of inspections of horses for scabies was 15,971, and the total number of dippings was 577, of which 207 were redippings.

VENEREAL DISEASE OF HORSES.

Work in connection with the venereal disease of horses, the so-called *maladie du coït*, has progressed satisfactorily. During the annual round-up last year in the Indian reservations of South Dakota not one diseased animal or suspect was found; and, while careful and vigorous work has been continued through the year, no new case of the disease was discovered, either in the regular work or during the round-up in June. In view of these facts I have recommended that the quarantine maintained in this section be discontinued.

The work of stamping out the same disease in Van Buren County, Iowa, has likewise been successful. Reports from the quarantined area of Nebraska and South Dakota, included in the Pine Ridge and Rosebud Indian reservations, and portions of the counties of Fall and Custer, S. Dak., and Dawes, Sheridan, and Sherry, Nebr., show that 8,705 horses were inspected. One stallion and eight mares, all suspects, were slaughtered, for which \$165, an average of \$18.33, was paid. Nine stallions were castrated, for which \$37.50 was paid, an average of \$4.16. In Van Buren County, Iowa, 410 horses were inspected, 2 directly exposed stallions were castrated, and 12 directly exposed mares were slaughtered at a cost for those slaughtered of \$565, or \$47.08 each; these mares were breeding animals of a much better grade than those in the above-named territory of South Dakota and Nebraska.

THE ARTIFICIAL CULTIVATION OF PROTOZOA.

The *Trypanosoma equiperdum* (the parasite which has been supposed to be the cause of the *maladie du coït*), which was referred to in the last report as having been imported from France in an inoculated dog, has not only been injected experimentally into various species of animals during the past year, but has been successfully grown on artificial culture media by the methods suggested by Novy and McNeal. Great difficulty was at first encountered in getting the original culture started, and numerous failures were recorded before the organism finally developed on a medium containing three volumes of defibrinated rabbit's blood to one of nutrient agar, a larger percentage of blood than is required for *Trypanosoma lewisi*. Subcultures have since developed with much greater ease and have now been cultivated artificially for over three months and to the fifth generation. The success that has followed the artificial cultivation of the trypanosomes naturally suggested the feasibility of growing other protozoa by the same or similar methods. An endeavor is now being made to find a medium suitable for the development of the *Piroplasma bigeminum* and *Plasmodium malarie*; samples of blood containing them have been placed under what it is hoped will prove suitable conditions. The benefit to be derived from obtaining cultures of the Texas fever protozoan, for instance, can be readily appreciated when the possibility of thereby elucidating the life history of this parasite is considered, as well as the more important probability of so attenuating or controlling such cultures for the injection of susceptible animals as to produce a stronger immunity with less mortality than by blood inoculations.

MISCELLANEOUS WORK IN RELATION TO DISEASES OF ANIMALS.

During the past several years numerous specimens of tissue from various animals, principally from sheep and hogs, showing lesions of fat necrosis have been received at the pathological laboratory from the meat inspection force. Although this condition is quite distinct in its pathological picture and can be diagnosed with a fair certainty without the aid of a microscope, it seems to have caused some confusion as to the disposition of carcasses showing such lesions. With the object of reproducing the disease, as well as to attempt to ascertain its cause, a number of experiments on the dog and cat have been performed, and while the experiments are incomplete, the conclusion of previous investigators is confirmed that bacteria play no part, or at least are not essential, in the causation of the disease.

During the past year four specimens of pulmonary fat embolism in hogs killed at official abattoirs were forwarded for examination. In such cases the post-mortem reveals no other sign of disease, and yet here is a lung which at first appearance might be mistaken, sometimes for the lung of hog cholera, sometimes for that of swine plague. That this lesion does occur as a result of a fractured bone or the existence of an extensive destruction of the subcutaneous fat tissue has been proven; that it may occur in the less modern methods of hoisting and sticking the animals has been surmised. Further investigation is now in progress.

Last fall attention was called to a disease affecting a number of young hogs belonging to the Reform School of the District of Columbia. Nine animals had died. The trouble proved to be paraplegia or paralysis of the hind quarters, so common in the hog raising districts of the Middle West. The point firing treatment was applied. This consists in making deep punctures with a hot iron about 2 inches apart over the lumbar region on either side of the spinal column, from 14 to 16 punctures being made in all. The treatment was successful, all of the 14 affected hogs recovering.

A number of cases of so-called avian diphtheria have been received for diagnosis. Among the different species represented were the chicken, pigeon, kite, and quail. Various organisms were found apparently in casual relationship with the disease; for instance, *B. necrophorus* in the kite, *Actinomyces bovis* in a chicken, and several other bacterial forms similar to those described by other observers in this field. The net result of the investigations of this disease (or group of diseases) compels the assumption that different germs must be charged with the early inflammatory disease, leaving the later cheesy or pseudo-membranous lesions to be instituted by such organisms as the necrosis bacillus, the agent of actinomycosis, and such other pathogenic forms, protozoal, bacterial, or mycotic, as may find easy lodgment in the diseased tissues of the mouth and upper air passages.

An interesting experience was the finding of the actinomyces in the pseudo-membranous patches in the mouth of a chicken affected with a complication of avian diphtheria and chicken pox. In making numerous cultures from these necrotic patches in an endeavor to isolate a pathogenic organism, a growth was obtained from the mouth lesions which on being plated furnished among other micro-organisms several colonies of actinomyces. About three months later in working on similar patches in the pharynx of a second chicken sent in for examination and not showing any evidence of chicken pox, another member of the laboratory force isolated an actinomyces which corresponded in every particular to that first recovered. There appears to be no reference in the literature to indicate that actinomyces had ever before been found in relation to avian diphtheria, nor in fact to any other disease of chickens. Scarifications made in the mouths of healthy fowls and rubbed with the spores of actinomyces produced an evanescent exudative process, and this fact coupled with the presence of the micro-organisms in the two different outbreaks appears to warrant a more extended investigation of avian diphtheria along this line.

After Dunstan and Henry and Peters and Slade had shown that prussic acid might be produced in sorghum and some other plants by the action of an enzyme upon a glucoside, the Biochemic Division began a number of examinations of cornstalks with the object of determining whether or not some instances of so-called "cornstalk disease" might not be due to prussic acid produced in the manner mentioned above. These experiments showed that an enzyme resembling "emulsin" was present in all cornstalks examined and that it was capable of splitting off prussic acid from the glucoside "amygdalin." In the cornstalks, however, no glucoside capable of yielding prussic acid could be found and examinations were made of other field plants and grain, with the results similar to those obtained with corn.

The details of these experiments appear in the Annual Report of the Bureau for 1904.

Many specimens of parasites sent in by correspondents have been identified in the Zoological Division; about 500 specimens added and the entire collection—nearly 5,000 specimens—has been recatalogued after a new and more useful plan. In this Division, also, arrangements have been made for a set of experiments to determine, if possible, practicable preventive methods against the roundworms so prevalent and injurious to sheep in many localities; bulletins have been issued on the subject of external parasites of hogs, gid of sheep in the United States, and on certain parasites of chickens and pigeons, two of which are species new to science; publication of the Index-Catalogue of Medical and Veterinary Zoology is continued, the G, H, I, and J authors having been issued.

POULTRY-FEEDING EXPERIMENTS.

During the past year more than thirty individual feeding experiments with chickens have been completed. The chickens used were kept under as healthful conditions as possible, new houses having been erected especially for the digestion experiments and so constructed as to afford ample ventilation and sunlight. There have been completed this year experiments with the single grains, corn, wheat, and oats, and some with mixtures of these three grains. In addition, green food was made a part of the ration in certain experiments. The chemical portion of these experiments is not yet complete.

EXAMINATION OF STOCK DIPS.

The requirements of the Department that the lime-and-sulphur dips when diluted ready for use shall contain not less than 2 per cent of lime nor more than 1 per cent of sulphur combined in the form of calcium sulphides have necessitated a chemical examination of all concentrated lime-and-sulphur dips of that character which are to be used for official dipping. The samples analyzed are purchased by inspectors of the Bureau in the open market. In addition, examinations of sulphur and nicotine solutions which are used in compounding the lime-and-sulphur and tobacco-and-sulphur dips were made.

The Beaumont crude petroleum having been found effective as a dip for destroying Texas fever cattle ticks, the Biochemic Division has received for analysis samples of crude petroleum from most of the recently discovered oil deposits in the western portion of the United States. Another form of stock dip which has received considerable study is that known as the "carbolic dip." In addition to the analyses, considerable research work has been done, which had for its objects (1) increase of efficiency of dips and (2) decreased cost of dips. These experiments lead to the hope that both of these ends may be accomplished.

GLANDERS.

During the past year 8,999 doses of mallein have been prepared in the biochemic laboratory and sent free of charge to authorized health officers in the various States, this being a considerable increase over the 7,197 doses sent out during the preceding year.

Distribution of mallein to States and Territories.

	Doses.		Doses.
Arizona -----	24	North Dakota-----	712
California -----	726	Oklahoma -----	84
District of Columbia-----	1,966	Ohio -----	102
Iowa -----	310	Porto Rico-----	390
Kansas -----	132	Utah -----	66
Michigan -----	36	Vermont -----	48
Minnesota -----	3,012	Washington -----	314
Missouri -----	276	Wisconsin -----	27
Montana -----	720	South Carolina-----	6
Nebraska -----	42		
North Carolina-----	6	Total-----	8,999

AUTOPSIES OF WILD ANIMALS.

An investigation of the cause of death in all animals which died at the National Zoological Park during the fiscal year was made by the Pathological Division. No enzootic outbreak has occurred, the majority of deaths being due to gastral intestinal disorders, as a result of the unnatural conditions to which animals are necessarily subjected in captivity. Twenty-nine animals died of such disorders; tuberculosis was fatal to 12; pneumonia to 11, and helminthiasis to 16.

THE INSPECTION OF MEAT.**WHY THE SERVICE SHOULD BE EXTENDED.**

In this connection it should be noted that there are numerous abattoirs killing hogs and other animals for the interstate trade where no inspection has been established, and where there are, consequently, no inspectors to condemn and remove the diseased carcasses. The inspection, which has been in operation for about fourteen years, has demonstrated beyond question that with the most careful buying of animals for slaughter there is found a considerable proportion so affected by disease as to be either actually dangerous to human health or offensive and unfit for human food.

Not only is there the large proportion of tubercular carcasses already mentioned, but there are numerous other diseases even more dangerous. In the year just closed there were found seriously affected with abscesses or pyemia 569 carcasses of beef, 230 of sheep, 70 of calves, and 4,044 of hogs—a total of 4,913 carcasses. There were found affected with enteritis, peritonitis, or metritis, 461 carcasses of beef, 191 of sheep, 59 of calves, and 994 of hogs—a total of 1,705 carcasses. There were also found affected with septicemia 239 carcasses of beef, 208 of sheep, 60 of calves, and 877 of hogs—a total of 1,384 carcasses. And, finally, there were found affected with hog cholera or swine plague 13,553 carcasses. In this group of acute septic diseases, which can not but be regarded as extremely dangerous to the health of persons using the affected meat for food, there were discovered and destroyed by the inspectors not less than 21,555 carcasses.

It is inconceivable that abattoirs having no inspection are able to avoid the purchase of animals so affected, and without expert inspectors it may safely be assumed that few of these diseased carcasses are detected. There is, consequently, an urgent need of inspec-

tion at every abattoir, and as the Federal Government has undertaken to inspect all meat for the interstate and foreign trades, it should extend the inspection until this object is effectually accomplished.

For two years there have not been sufficient funds available to place the inspection at all the abattoirs from which application has been made for inspection, and there are numerous others for which no application has been made and where inspection is not desired by the operators. The absence of inspection at these places not only permits uninspected meat to go into interstate and foreign commerce, but it gives an opportunity for unfair competition with the establishments which have the inspection. For example, if one abattoir, as is the case at present, has inspection and loses $1\frac{1}{2}$ per cent of its hogs by condemnation for tuberculosis, amounting in value to over \$200,000 a year, and another abattoir doing a similar amount of business without inspection puts these diseased carcasses on the market on the same terms as healthy ones, it is plain that the profits of the latter will be \$200,000 greater than those of the former, unless an advance in price can be obtained for inspected pork, which apparently is not the case with that sold in our domestic markets. A house without inspection can, therefore, undersell a house that has inspection, and, instead of encouraging inspection and making it to the interest of all abattoirs to have it, the tendency of the system of partial inspection now adopted by the Government is to place a burden on the houses which have inspection and to encourage others to operate without it. It is a matter of great importance, both for the protection of the health of our people and for maintaining the reputation of our meats, that the inspection should be extended promptly and made as thorough as possible.

WORK OF THE PAST YEAR.

During the fiscal year 1905 inspection was inaugurated at 7 establishments. Three of these had previously had inspection and 4 had not. Of the former number 2 had been rebuilt after having been destroyed and the other was an abattoir that was reopened by a new firm after having been shut down for about two years. During the same period inspection was, for various causes, not conducted at 5 establishments which had had inspection in the previous fiscal year.

In the following table are shown the number of establishments and the number of cities where inspection was conducted each fiscal year since 1891:

Number of establishments and cities where meat inspection was conducted, 1891 to 1905.

Fiscal year.	Number of establishments.	Number of cities.	Fiscal year.	Number of establishments.	Number of cities.
1891.....	9	6	1899.....	139	42
1892.....	23	12	1900.....	149	46
1893.....	37	16	1901.....	157	52
1894.....	46	17	1902.....	155	50
1895.....	55	19	1903.....	156	50
1896.....	102	26	1904.....	152	51
1897.....	128	33	1905.....	151	52
1898.....	135	35			

The number of ante-mortem inspections of animals intended for slaughter and the number rejected on such examination are shown in the following table, and indicate an increase of 1,208,121 inspections as compared with the previous fiscal year:

Ante-mortem inspections for the fiscal year 1905.

Kind of animal.	For official abattoirs in cities where inspections were made.	For abattoirs in other cities and miscellaneous buyers.	Total inspections.	Rejected (subject to result of post-mortem inspections).	
				At abattoirs.	In stock yards.
Cattle	6,213,267	6,306,374	12,519,641	926	46,353
Sheep	8,023,659	6,795,627	14,819,286	1,558	9,702
Calves	791,650	591,537	1,383,187	961	11,817
Hogs	24,822,455	12,276,935	37,099,390	4,667	58,448
Total	39,851,031	25,970,473	65,821,504	8,112	126,320

The following statement shows the number of post-mortem inspections and the number of carcasses and parts condemned (exclusive of hog carcasses condemned for trichinæ):

Post-mortem inspections for the fiscal year 1905.

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of carcasses condemned.
	For official abattoirs.	On animals rejected in stock yards.	Total.	For official abattoirs.	Animals rejected in stock yards.	Total.	
Cattle	6,096,597	37,791	6,134,388	13,859	3,942	17,801	3,466
Sheep	7,872,671	6,302	7,878,973	4,900	1,351	6,251	2,973
Calves	845,862	4,365	850,227	2,224	2,229	4,453	75
Hogs	25,323,984	33,441	25,357,425	86,293	3,985	90,278	152,454
Total	40,139,114	81,899	40,221,013	107,276	11,507	118,783	158,968

While, according to the above statement, more post-mortem inspections were made in the past fiscal than in any previous year, reference to the comparative table on page 20 will show that the increase over 1904 was not up to the average. This was doubtless due to the very marked falling off in slaughtering done at the principal packing centers during the strike in 1904, this affecting the business of the first quarter of the fiscal year.

In addition to the regular and microscopic condemnations the following carcasses were tanked for reasons designated:

Animals lost otherwise than by disease.

Manner of death.	Cattle.	Sheep.	Calves.	Hogs.	Total.
Died in yards	831	872	290	1,698	3,691
Killed in yards	888	467	4,289	19,899	25,543
Died at abattoirs	359	2,149	290	14,387	17,185
Total	2,078	3,488	4,869	35,984	46,419

The following table shows in detail the various diseases and conditions for which carcasses and parts were condemned and tanked during the year and also includes those found dead and those killed by city inspectors:

Causes of condemnation of carcasses and parts of carcasses, fiscal year 1905.

Cause of condemnation.	Cattle.		Sheep.		Calves.		Hogs.	
	Car-casses.	Parts.	Car-casses.	Parts.	Car-casses.	Parts.	Car-casses.	Parts.
Actinomycosis	1,246	1,755	2	-----	2	2	24	131
Tuberculosis	10,956	647	27	-----	28	-----	64,919	142,105
Caseous lymph-adenitis	-----	-----	988	1,922	-----	-----	-----	-----
Cholera and swine plague	-----	-----	-----	-----	-----	-----	13,553	-----
Texas fever	229	-----	-----	-----	148	-----	-----	-----
Echinococcus	-----	-----	1	196	-----	-----	5	1,248
Measles	-----	-----	-----	-----	-----	-----	11	-----
Scabies	-----	-----	3	-----	-----	-----	49	-----
Eczema	-----	-----	-----	-----	-----	-----	3	-----
Erysipelas	-----	-----	-----	-----	-----	-----	37	-----
Cancer	56	-----	2	-----	-----	-----	8	-----
Tumor	7	5	4	1	1	1	445	321
Abscess	102	253	40	80	12	11	1,066	1,235
Pneumonia	261	-----	322	-----	21	-----	1,147	-----
Pleurisy	15	-----	26	31	4	-----	120	10
Carditis	-----	-----	4	-----	-----	-----	-----	-----
Enteritis	52	-----	85	-----	22	-----	304	-----
Peritonitis	327	-----	73	-----	36	-----	535	-----
Metritis	52	-----	33	-----	1	-----	155	-----
Nephritis	6	-----	10	-----	4	-----	34	-----
Uremia	3	-----	28	-----	2	-----	49	-----
Mammitis	-----	-----	2	-----	-----	-----	4	10
Septicemia	239	-----	208	-----	60	-----	877	-----
Pyemia	467	-----	190	-----	68	-----	2,978	-----
Gangrene	14	-----	5	-----	8	16	19	-----
Anemia, emaciation, marasmus	1,945	-----	2,876	-----	350	-----	643	-----
Ascites	14	-----	32	-----	-----	-----	52	-----
Jaundice	25	-----	419	-----	21	-----	868	-----
Extreme temperature, various causes	3	-----	67	-----	3	-----	1,785	-----
Pregnancy	56	-----	26	-----	-----	-----	173	-----
Recent parturition	53	-----	13	-----	-----	-----	46	-----
Hernia	1	-----	1	-----	1	-----	21	-----
Downers, bruised, injured, etc.	1,667	806	738	193	172	45	348	7,394
Dead from various causes	1,190	-----	3,002	-----	580	-----	16,085	-----
Too young	-----	-----	1	-----	3,483	-----	-----	-----
Killed by city inspectors	888	-----	467	-----	4,289	-----	19,899	-----
Asphyxia	5	-----	-----	-----	-----	-----	-----	-----
Fistula	-----	-----	-----	-----	3	-----	-----	-----
Arthritis	-----	-----	-----	1	1	-----	-----	-----
Blackleg	-----	-----	-----	-----	1	-----	-----	-----
Leucocythemia	-----	-----	-----	-----	1	-----	-----	-----
Pulmonary apoplexy	-----	-----	1	-----	-----	-----	-----	-----
<i>Cysticercus tenuicollis</i>	-----	-----	2	-----	-----	-----	-----	-----
Distoma	-----	-----	2	199	-----	-----	-----	-----
Melanosis	-----	-----	1	-----	-----	-----	-----	-----
Flukes	-----	-----	-----	87	-----	-----	-----	-----
Cystic livers	-----	-----	-----	263	-----	-----	-----	-----
Total	19,879	3,466	9,701	2,973	9,322	75	126,262	152,454

The following statement shows, by years, the total number of the different classes of animals inspected post-mortem for official abattoirs since 1891, the total for the past year being greater than that of any previous year.

Number of animals inspected at slaughter for abattoirs having inspection, fiscal years 1891 to 1905.

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Horses.	Total.
1891	83,889					83,889
1892	3,167,009	59,089	583,361			3,809,459
1893	3,922,079	92,947	870,512			4,885,538
1894	3,861,594	96,331	1,020,764	7,648,146		12,626,835
1895	3,704,042	116,093	1,428,601	15,616,539		18,865,275
1896	3,985,484	256,905	4,629,796	14,250,191		23,122,376
1897	4,242,216	273,124	5,209,161	16,808,771		26,533,272
1898	4,418,738	244,330	5,496,904	20,893,199		31,053,171
1899	4,382,020	246,184	5,603,096	23,836,943	3,332	34,071,575
1900	4,841,166	315,693	6,119,886	23,836,884	5,559	34,619,188
1901	5,219,149	413,830	6,639,212	24,642,753	1,992	36,916,936
1902	5,559,969	555,836	7,434,878	25,277,107	1,649	38,829,439
1903	6,134,410	668,855	8,585,960	21,793,738	344	37,183,907
1904	6,350,011	764,590	8,261,051	24,128,462		39,504,114
1905	6,096,597	845,862	7,872,671	25,323,984		40,139,114

The meat-inspection tag or label was placed upon 21,835,655 quarters of beef, 7,849,200 carcasses of sheep, 844,979 carcasses of calves, and 1,025,676 carcasses of hogs. Sacks of meat were sealed as follows: Beef, 5,793; pork, 795,171.

White stamps, indicating the regular post-mortem inspection, were affixed to packages of meat and meat products as follows:

Meat-inspection stamps.

	Packages stamped (white stamp).
Beef	7,123,506
Mutton	29,273
Veal	8
Pork	15,252,508
Total	22,405,295

The number of cars sealed containing inspected meat and meat products was 66,846.

In the following table are shown the interabattoir consignments of inspected meat and meat products; the receipts especially represent much labor on the part of Bureau employees, as all products of every kind entering an official establishment must be identified as having received inspection.

Interabattoir consignments of inspected meat and meat products.

Class of product.	Shipments to official establishments.		Receipts from official establishments.	
	Number quarters and carcasses.	Smaller pieces (weight).	Number quarters and carcasses.	Smaller pieces (weight).
Beef	Quarters. 1,660,216 Carcasses.	Pounds. 149,261,488	Quarters. 1,843,027 Carcasses.	Pounds. 321,547,043
Mutton	18,887	5,675,988	20,451	2,206,678
Veal	28,437	1,169,293	1,627	4,651,738
Pork	54,589	371,340,413	25,097	345,300,758

INSPECTION OF EXPORT MEATS.

There were 36,097 certificates of ordinary inspection issued to cover meat and meat products for export, as follows: 1,216,077 quarters, 22,652 pieces, 20 carcasses, and 1,795,051 packages of beef, weighing

361,012,062 pounds; 1,592 carcasses and 3,553 packages of mutton, weighing 206,570 pounds; 18,319 carcasses and 498,735 packages of pork, weighing 155,513,776 pounds; a grand total of 516,732,408 pounds.

The following statement shows, by years, the quantities of the different classes of meat for export under certificates of ordinary inspection since 1898:

Quantities of meat for export under certificates of ordinary inspection, 1898 to 1905.

Fiscal year.	Beef.	Mutton.	Pork.
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
1898.....	339,650,091	324,996	244,956,482
1899.....	360,843,856	525,705	278,696,435
1900.....	438,138,233	680,897	272,050,663
1901.....	452,830,373	894,648	231,144,938
1902.....	416,990,762	1,145,248	188,360,011
1903.....	371,920,737	2,729,013	133,122,610
1904.....	419,058,781	712,089	154,442,440
1905.....	361,012,062	206,570	155,513,776

The large decrease in beef exports as indicated above was doubtless due to the strike previously mentioned.

The total cost of the work of ordinary inspection for the year was \$829,532.36.

THE MICROSCOPIC INSPECTION OF PORK.

IMPORTANCE OF INCREASING MICROSCOPIC INSPECTION.

The microscopic inspection of pork for export during the year has been far less than the requirements of the trade, and with insufficient funds for the work already in progress it has been impossible to increase this branch of the inspection service. The understanding with Germany and some other European countries at the time the prohibition on American pork was removed required a microscopic inspection for trichinæ by this Government and a certificate to accompany the pork stating that such inspection had been made. For a number of years, however, the German Government has not accepted the American certificate as having any sanitary value, and has reinspected, at the expense of the shipper, all pork received there from the United States. Nevertheless, it has appeared desirable to continue the microscopic inspection in this country in order to reduce to a minimum the percentage of trichinæ found on reinspection in other countries. This is an important measure for maintaining the reputation of our meats, and one which this country can not afford to neglect. But if a microscopic inspection is required for pork exported to the continent of Europe, a sufficient number of inspectors should be furnished to inspect all the meat that is called for by the trade, so that the effect of this inspection will not be to shut pork into this country rather than to aid in getting it out. It is an injustice to American pork producers to enforce measures which obstruct and lessen the export trade, as has recently been done; and either there should be sufficient funds provided fully to accommodate the trade or this inspection should no longer be required.

WORK OF THE PAST YEAR.

The number of hog carcasses examined for trichinæ was 346,026, classified as follows: Class A (free from all appearance of trichinæ), 336,623, being 97.28 per cent; class B (containing trichinæ-like bodies or disintegrating trichinæ), 5,666, being 1.64 per cent; class C (containing live trichinæ), 3,737, being 1.08 per cent.

The number of certificates issued for microscopically inspected pork was 1,960, covering 41,548 stamped packages, weighing 14,721,935 pounds, which, as will be seen from the comparative statement below, was an increase over 1904 of 5,701,414 pounds, being 63 per cent.

The number of trichinous carcasses disposed of was 3,652, weighing 819,922 pounds, 57 per cent of which was made into cooked meat products, the remainder, 43 per cent, being tanked.

The following comparative statement shows, by years, the quantity of pork exported to countries requiring microscopic inspection, from 1892 to 1905:

Quantities of pork exported to countries requiring microscopic inspection, fiscal years 1892 to 1905.

Year.	Pounds.	Year.	Pounds.
1892	22,025,698	1899	108,858,149
1893	8,059,758	1900	55,809,626
1894	18,845,119	1901	35,942,404
1895	39,355,230	1902	33,681,229
1896	21,497,321	1903	19,108,341
1897	42,570,572	1904	9,020,521
1898	120,110,356	1905	14,721,935

The cost of microscopic inspection was \$56,313.02, being an average of 16.27 cents for each carcass examined, and 0.38 cent for each pound exported.

OUR COMPETITORS FOR THE BRITISH MEAT TRADE.

As our most important market for dead meat is found in Great Britain, it is interesting to consider the condition of this trade for a number of years as compared with the development of this trade from other countries. The material for this comparison is found in the annual statement of the trade of the United Kingdom for 1904, from which the figures used in the following tables are taken:

Quantities of dead meat imported into the United Kingdom from certain countries from 1900 to 1904, inclusive.

Country.	1900	1901	1902	1903	1904
	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>
Total imports of United Kingdom.	17,438,576	18,372,564	16,519,565	17,022,482	16,983,788
United States.....	9,541,542	10,473,827	8,124,336	7,548,529	7,110,827
Argentina.....	1,612,456	2,152,283	2,412,923	2,821,930	3,327,841
Denmark.....	1,306,540	1,258,319	1,553,647	1,760,657	1,954,229
New Zealand.....	1,538,324	1,748,706	1,921,262	2,238,737	1,837,636
Canada.....	823,072	605,541	688,067	941,124	1,106,408
Holland.....	1,034,045	1,009,241	1,053,801	1,106,373	1,014,507
Australia.....	1,096,891	912,478	484,435	336,261	359,176

This table indicates that the annual imports of dead meat into the United Kingdom have not varied greatly during the five years from 1900 to 1904. The imports from the United States show a decrease each year since 1901. From 1900 to 1904 the decrease has been 25½ per cent, and from 1901 to 1904 it has been 32 per cent. The imports from Argentina have increased each year from 1900 to 1904. The total increase during these years has been slightly more than 100 per cent. The imports from Canada have increased 34 per cent. The imports from Denmark have increased 49½ per cent. The imports from Holland and New Zealand have remained approximately the same, while those from Australia have decreased to about one-third of what they were in 1900. Our principal competitors in the British markets are, therefore, Argentina, Denmark, and Canada, each of which is rapidly increasing its trade, while our trade has been falling off.

By analyzing the trade more closely it is found that the only source from which our fresh-beef trade is threatened is the Argentine Republic. The imports from the two countries were as follows:

Imports of fresh beef into the United Kingdom from the United States and Argentina.

Country.	1900	1901	1902	1903	1904
	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>
United States	2,867,298	3,180,291	2,290,465	2,693,920	2,395,836
Argentina	412,262	771,929	923,748	1,152,211	1,675,271

This table shows that while the fresh-beef trade from the United States has decreased 16½ per cent from 1900 to 1904, that from Argentina has increased over 300 per cent. It also shows that whereas the trade of the United States has diminished 784,455 hundredweight since 1901 the trade of Argentina has increased 903,342 hundredweight in the same time. It is worthy of notice that in 1900 the beef imports from Argentina were but 14.3 per cent of those of the United States, while in 1904 they were about 70 per cent of those from this country. The shipments of fresh beef from Argentina are therefore rapidly gaining on those from the United States and our shipments are now falling off almost to the same extent as those from Argentina are increasing.

The bacon trade is one which is also worthy of special study. The following table shows the most striking figures on this subject:

Imports of bacon into the United Kingdom from certain countries.

Country.	1900	1901	1902	1903	1904
	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Cwt.</i>
United States	3,956,527	4,244,329	3,283,855	2,893,507	2,806,108
Denmark	1,094,626	1,060,909	1,255,627	1,496,101	1,723,884
Canada	529,864	398,697	462,487	665,249	829,883
Russia	5,655	27,168	34,721	45,964	41,918
Sweden	11,235	9,537	20,461	18,814	23,965

This table shows that the imports of bacon from the United States have decreased 1,150,419 hundredweight, or 29 per cent, since 1900; while increases have been made by Denmark of 629,258 hundredweight, or 57 per cent; by Canada of 300,019 hundredweight, or 56 per cent; by Russia of 36,263 hundredweight, or 641 per cent; and by Sweden of 12,730 hundredweight, or 113 per cent.

The bacon trade is deserving of more attention than it has been receiving, for our natural conditions are such that we should be able to produce this article at a cost which would permit it to compete successfully for many years with any other part of the world. If we are producing a kind of bacon which does not fully meet the requirements of the trade, it would not be a difficult matter to change our type of hog sufficiently to comply with the demand. We should not, however, remain inactive while this important branch of our export trade declines and our commodity is gradually replaced by the product of other countries. There appears to be a more promising field for effort in Great Britain than in the markets of other countries, many of which are less favorable to our trade.

CONDITION OF THE OCEAN CARRYING TRADE.

The ocean carrying trade for live animals is one to which particular attention is invited, the number of clearances of vessels carrying live stock last year being 731. At the time the Bureau of Animal Industry was given supervision over this traffic, in 1891, with authority to regulate the fittings of steamships, the ventilation, the amount of feed carried, and the number of attendants, the losses were so heavy that the British Government was seriously considering the prohibition of the traffic because of the cruelty to which the animals were subjected and the bad condition in which many of them arrived.

The losses of cattle in transit had been very high, probably about 4 per cent, although exact figures are not obtainable, and on sheep they were somewhat higher. The first year the regulations went into effect the losses of cattle were reduced to 1.6 per cent and the losses of sheep to 1.7 per cent. This loss has been further reduced from year to year until during the year just closed it was but 0.138 per cent for cattle and 0.751 per cent for sheep; that is, the losses on cattle were reduced the first year of the Bureau control to about one-half what they had previously been and since that time they have been reduced to one-eleventh of what they were the first year. Similarly, the losses of sheep were reduced more than one-half the first year, and have been further reduced to less than one-half of the first year's figures. The insurance has been reduced from 8 per cent to one-third of 1 per cent—that is, to one twenty-fourth of the rate formerly charged—thus saving in this one item much more than the total appropriation for the Bureau of Animal Industry.

INSPECTION OF EXPORT ANIMALS.

The number of certificates of inspection issued during the year for American cattle exported to Europe was 1,269. The following statement, showing the number of live animals exported, indicates, when compared with the similar statement for the previous year, a falling

off of about 5 per cent in the number of American cattle, 31 per cent in the number of American sheep, and 28 per cent in the number of American horses exported.

Number of inspections, etc., of American and Canadian animals for export, fiscal year 1905.

Kind of animal.	American.				Canadian.		
	Number inspected.	Number rejected.	Number tagged.	Number exported.	Number inspected.	Number rejected.	Number exported.
Cattle	783,721	2,850	409,101	^a 395,695	41,193	12	41,181
Sheep	366,796	114	-----	^b 183,902	56,984	32	56,952
Horses	2,327	1	1,974	2,061	31	-----	31

^a 24,915 via Canada.

^b 6,302 via Canada.

All animals included in the foregoing statement were exported to Great Britain except 5,452 cattle, 2,074 sheep, and 97 horses to Belgium, 3 cattle and 142 horses to France, 21 cattle to South Africa, 131 horses to Germany.

In addition, other animals were exported as follows: 2,347 cattle, 2,465 sheep, 23 horses, 265 swine, and 6 mules, making a total of 5,106, destined as follows: 1,595 cattle, 1,941 sheep, and 12 horses to Bermuda; 700 cattle to Brazil; 445 sheep to Barbados; 10 cattle, 7 horses, and 5 swine to Argentina; 20 cattle, 4 horses, 6 mules, and 260 swine to Hawaii; 22 cattle to Mexico, and 79 sheep to West Indies.

Statement showing number of animals inspected at time of landing in London, Liverpool, and Glasgow, and loss in transit, fiscal year 1905.

From,—	Cattle.			Sheep.			Horses.		
	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.
United States	368,648	508	0.138	178,236	1,348	0.751	1,680	9	0.533
Canada	32,975	103	.311	54,689	1,157	2.072	80	-----	-----
Total	401,623	611	.152	232,925	2,505	1.064	1,710	9	.524

In comparing the above statement with the preceding one, in which the numbers exported are shown, it is necessary to remember that many of the animals included in the former statement are not included in the latter, because they were landed at British ports, where no Bureau inspector is stationed, and hence are not reported from the other side.

IMPORTS OF DOMESTIC ANIMALS.

THE DANGER OF IMPORTING DISEASE.

There is always danger of importing the contagion of one of the Old World plagues which have been so destructive to live stock in Europe, Asia, and Africa. With faster ships and increasing traffic this danger is greatly augmented.

There is at present foot-and-mouth disease in Europe, Asia, and South America; rinderpest in Asia and Africa; pleuro-pneumonia in

Asia and Africa; and a variety of infectious diseases unknown to this continent which are destroying the farm stock in other sections of the world, and particularly in Asia and Africa. We are in especial danger from the Philippine Islands, where foot-and-mouth disease, rinderpest, and surra are known to exist, and from which it is very difficult to exclude all animals.

Our system of inspection and quarantine has been developed to a high state of perfection and gives great protection on the Atlantic coast, but the Pacific coast needs quarantine stations, and with continued traffic in susceptible species of animals there will always be the possibility of bringing contagion even with the most careful inspection.

It should be the policy of any country having such tremendous investments in live stock as have been made in the United States to exclude so far as possible all animals liable to harbor the contagion of the plagues most destructive to the meat-producing animals. There are few who appreciate the vast losses which such plagues cause or their effect upon the prosperity of a country. Either rinderpest or foot-and-mouth disease, if allowed to spread over this country, would cause a loss of three hundred millions to five hundred millions of dollars during the first two years, and might remain to prevent the recovery of the cattle industry for an indefinite period. The damage would be felt not alone by the agricultural industry, but by all citizens, and particularly by the laboring classes and by the poor of our cities, to whom such a limitation of the food supply would mean great hardship and suffering. It is of supreme importance, therefore, that great care and watchfulness be exercised to exclude contagion, and that this supervision be maintained over dogs, which may bring surra, and menagerie animals, which may bring rinderpest, foot-and-mouth disease, surra, and pleuro-pneumonia, as well as over farm animals.

IMPORTATIONS DURING THE YEAR.

The imports of pure-bred cattle, sheep, and hogs during the year have continued light. Those quarantined at the several quarantine stations are as follows:

Number of cattle, sheep, and swine imported and quarantined.

Port of entry.	Cattle.	Sheep.	Swine.
New York.....	223	259	9
Boston.....	4	89	7
Baltimore.....	42	68	16
Canadian border ports.....	127	86	84

Animals imported from Canada, not subject to quarantine.

Cattle	2,642	Asses	11
Sheep	84,272	Goats	1
Swine	2,012	Deer	2
Horses	3,108	Lions	3
Ponies	26		
Mules	2	Total.....	92,081
Burros	2		

Imports of horses, mules, donkeys, and asses through ports on the Atlantic and Pacific coasts amounted to 2,642.

QUARANTINE ISLAND.

There has been in the past few years a growing demand for an isolated point directly accessible to ocean steamers, or by barge, where animals may be quarantined safely, even though from a country where foot-and-mouth disease prevails. In June such a place was brought to the attention of the Bureau. This land is located on the Fresh Kills, a tributary of Staten Island Sound, and is known as Simonson's Island, comprising about 28 acres of upland, and is separated from the mainland of Staten Island on its land side by a ditch and wide expanse of salt meadow. An agreement has been made with the owners of the island and of a dock on the New Jersey side of Staten Island Sound, having connection with two railroads that may be used for shipping animals to destination when released from quarantine. This agreement gives the Bureau control, with but slight expense, as the owner will accept as rental or compensation a per capita fee, to be paid by importers, who will also, in accordance with the rule governing the quarantine of animals, pay for necessary feed, bedding, and animal attendants.

PRINCIPAL QUARANTINE STATIONS.

At the quarantine station for the port of New York, located at Athenia, N. J., the improvements on the grounds have progressed satisfactorily, and the work of grading yards and roads has advanced to such a degree that the whole property, consisting of 53 acres, presents an attractive appearance and is equipped in a thoroughly modern manner. At the station for the port of Boston eight of the best and most conveniently located stables have been thoroughly repaired and painted.

Animals imported from Mexico, fiscal year 1905.

Port of entry.	Cattle.	Sheep.	Swine.	Goats.	Horses.	Mules.	Asses.	Burros.	Deer.	Total.
San Diego, Cal.	256	4,740	1	3	112	17	62	4	-----	5,195
Callexico, Cal.	1,467	-----	-----	-----	23	53	-----	-----	-----	1,543
El Paso, Tex.	9,459	-----	1	2	9	-----	2	-----	-----	9,473
Eagle Pass, Tex.	-----	-----	-----	202	9	5	1	-----	10	227
Laredo, Tex.	-----	-----	-----	-----	12	39	-----	-----	-----	51
Nogales, Ariz.	11,828	1	10	-----	103	26	18	-----	1	11,987
Total	23,010	4,741	12	207	268	140	83	4	11	28,476

Inspections were also made of animals imported from Mexico in bond, as follows: At El Paso 3,172 cattle, 486 sheep, 30 horses, and 49 swine, in transit to Mexico; 902 cattle, 820 horses, 81 mules, and 23 asses, in transit to Canada; 364 mules, in transit to South Africa; at Laredo, Tex., 3 horses and 96 mules in transit to Cuba, and at Callexico, Cal., 133 American horses and 146 American mules returned from work on irrigation canal and railway in Mexico.

THE EXPERIMENTS IN FEEDING AND BREEDING.

The experiments in feeding and breeding, in cooperation with the State experiment stations, first provided for in the appropriation bill for the year just ended, open a field of work which, if wisely directed, should prove of the greatest value to the American stock raiser. There are many problems of this kind which urgently need solution, and perhaps there is no section of the country where the early investigation of feeding and breeding problems promises more for the welfare of agriculture than in the Southern States. The problems of the Southern stock grower are peculiar to his section, and can only be solved by experiments conducted in that section and under the conditions which there prevail. It is necessary to learn how the best breeds of cattle and sheep may be developed and maintained in the South without paying a too heavy tribute to the insect pests and parasites which find peculiarly favorable conditions for multiplication in the mild climate of that region. There is no doubt that much can be accomplished toward making the live-stock industry of the South more profitable, and the probability is that the great obstacles which have heretofore existed, such as the cattle tick (*Rhipicephalus annulatus*) and the internal parasites of sheep and cattle, may be brought under control, while the feeding problems may be elucidated with comparative ease.

Breeding problems exist in all parts of the country, and the farmers need especially to be assisted in developing our breeds to the highest efficiency and in fixing the types of highest excellence. Our conditions are such that the stock raisers of this country have not developed, established, and maintained distinct types of animals from our native stock, as has been the case in some other countries; and in cases where marked progress has been made toward this object the herds and flocks have been dispersed just at the time when they gave promise of future usefulness.

We have been depending too much upon the constant importation of breeding stock to keep up the excellence of our animals, and have introduced new types in our herds so frequently that the power to transmit the parents' qualities to the offspring has not been properly developed and, as a result, the animals do not breed as true to type as they should.

It consequently appears necessary that the Government should aid in such work, if there is to be sufficient permanence and singleness of purpose in the efforts to achieve success; but whether the required continuity of purpose and permanence can be secured even through Government aid is a question which only the future can answer. The importance of the matter is such, however, that it is well worth the experiment, even at considerable cost.

Several lines of investigation are in progress. The poultry-breeding work in Maine is proceeding and will be continued until definite results are reached. At the Pennsylvania Experiment Station experiments are continued with the respiration calorimeter in the study of animal nutrition. In Alabama a steer-feeding experiment has been conducted, the results of which seem to indicate that small amounts of cotton-seed meal and corn-and-cob meal were of equal feeding value, that the introduction of corn into the customary

cotton-seed meal ration was not advantageous, and that cotton-seed hulls, corn stover, and coarse sorghum hay have about equal feeding value.

Under the contract with the Colorado Experiment Station 6 mares were purchased in Wyoming, 12 in Chicago, and 1 stallion in Chicago. The Wyoming mares were selected from a large band of horses which were bred up from stock brought in from States farther east, and which carried considerable Morgan blood. The mares and stallion purchased in Chicago vary considerably in their breeding; all, however, are trotting bred, and some of them standard bred. The object of these experiments is to increase the tendency which the trotting horse possesses, to develop large, strong, well-made animals, the best of which will answer every requirement of the horse show for heavy harness horses, and the average of which will meet the demand for a good, general-purpose horse.

NEW INVESTIGATIONS.

The following new lines of cooperation have been arranged for: At the Storrs Experiment Station, in Connecticut, investigations will be started in milch-goat breeding with foundation stock brought from abroad. At the Rhode Island Experiment Station studies will be begun in breeding turkeys resistant to infectious enterohepatitis. In cooperation with the Maryland Experiment Station and the National Zoological Park experiments will be begun in breeding hybrids between the zebra and the mare. Six farm mares have been bought and will be bred to the Grevy zebra presented to the President by the Emperor of Abyssinia. This animal stands 13.2 hands and is strong and well built.

SUPERVISION OF PEDIGREE-RECORD ASSOCIATIONS.

A closer supervision over pedigree-record associations has been brought about and regulations upon the subject published as B. A. I. Order 130, dated October 14, 1904. These regulations require from each certified American association an annual report, the publication of books of record, and their submission to the department on publication. The associations must submit complete sets of the published volumes of their books of record, and complete statements of their business methods and financial condition. Foreign associations are obliged to keep complete sets of their books on file with the Department. Books of record are now certified as follows:

	American.	Foreign.
Cattle	14	31
Horses	17	23
Asses	1	2
Sheep	21	13
Hogs	13	2
Dogs	1	4
Cats	2	-----
Total	69	75

MILCH GOATS.

During the year the Bureau has taken up the project of the establishment of the milch-goat industry in this country. In Europe this is an important and profitable interest, while in this country it amounts to but little. It is recognized that could the industry be established here it would benefit several classes of citizens, particularly that large number of families in modest circumstances living in the outskirts of cities, and unable, by reason of the limited ground space available, to keep cows. The milch goat is hardy, subject to few diseases, and requires but a small amount of food as compared with the cow; the milk is produced in large quantities, when the size of the animal is considered, and has peculiar value as food for children, convalescents, invalids, and those suffering from tuberculosis or other wasting diseases. The manufacture of cheese from goats' milk annually brings thousands of dollars to many communities in the Old World.

Recognizing these facts, the Bureau has labored to arouse and stimulate popular interest in the milch goat. The publication of a bulletin (No. 68) served this purpose. Following this, Mr. George F. Thompson, editor of the Bureau and author of the bulletin, was sent to Malta to bring a number of the best milch goats from that island. Upon their arrival in this country these animals will be placed at the experiment station at Storrs, Conn., where, in cooperation with the authorities at the station, the Bureau will conduct experiments to determine their adaptability to climatic and other conditions of this country, and to ascertain the value of their milk, particularly in the manufacture of cheese and as a food for the sick.

WORK IN THE INTEREST OF THE DAIRY.

During the past year the Dairy Division of the Bureau, in addition to the routine work, has carried on experiments so far as possible with the means at its command. The magnitude of the dairy interest and the improvement that would result to it by the solution of a number of questions which can be solved only by a long-continued experimentation make it seem best, in the report submitted below, to give more prominence than usual to the mention of features of work which, as soon as possible, should be taken up.

RESEARCH WORK IN PROGRESS.

MANUFACTURE AND STORAGE OF BUTTER.

One of the pertinent questions in relation to this topic is that of the control of the amount of water, salt, casein, and fat which butter contains. Creamery men desire to work all moisture possible into the butter, while Bureau of Animal Industry Order 127 makes it necessary to consider butter as adulterated which contains more than 16 per cent moisture. Very few butter makers know how to regulate the amount of moisture, and this fact, with the tendency in butter contracts toward a specification as to the amount of moisture (butter packed for the Navy must have less than 13 per cent), creates an

urgent demand for a short method of determining moisture in butter. The accurate chemical methods require too much time, and are not within the reach of the practical butter maker in the field.

A peculiar development in the large quantities of butter annually stored, and one which causes a loss of thousands of dollars, is the fishy flavor. The cause of this and of the other undesirable flavors which develop should be sought out and corrected.

Temperature is another thing which should be carefully studied, as it is yet undetermined just what temperatures are best for cold storage.

The effect of the amount of moisture on the keeping quality, the effect of the amount of salt, and the result of the presence of a large quantity of casein are practical and difficult questions the solution of which will require a long time and the services of the best men obtainable. The exact cause of fine flavors in cream, the question of the pasteurization of cream, the question of the farm separator, and its effect on quality, are all pertinent problems. The introduction of the farm separator has lowered the standard of creamery butter, and this fact must be met by an improved system of handling and manufacture. Centralization of the creamery business into large churning plants has given rise to unsolved problems of the transportation of cream from long distances, and the introduction of a better line of machinery.

Recently C. E. Gray, formerly chemist and expert for a large centralization plant, was employed as an expert to study these questions. L. A. Rogers, bacteriologist in the Dairy Division, was associated with him, and the work has been taken up in cooperation with the Iowa Experiment Station at Ames, Iowa. Professor McKay will be directly connected with the investigations. During the summer (1905) several thousand pounds of butter were placed in storage in Chicago, where excellent storage facilities in especially constructed rooms were turned over to the Dairy Division for its sole use. Here the butter is stored at 32° and 10° F. above zero and 10° below. A parcel of cream was divided equally—one part being pasteurized and the other part churned without pasteurization. Half of each lot of butter was salted normally and half with a higher percentage. Some of each lot was packed in 3-pound tins and the rest in 20 and 30 pound tubs. Some investigations have been made in Wisconsin as to the fishy-flavored butter in evidence in that State.

EXPERIMENTS IN CHEESE MANAGEMENT AND STORAGE.

Although in some respects more work has been done in the manufacture of cheese than in that of butter, there are many points that require investigation. Naturally the commercial tendency is to force greener cheese upon the consumer. This fact makes a study of the early ripening important. The questions of using more rennet, of incorporating more moisture, and of making a softer grade have a direct bearing on the time when the cheese is edible. There is need also for study into the question of flavors and their causes, the effect of pasteurizing the milk, the digestibility of various types of Cheddar cheese; and a systematic effort should be made to encourage a greater use of cheese by the American people, inasmuch as this country consumes less per capita than any other.

C. F. Doane, formerly dairyman and bacteriologist for the Maryland Agricultural College, has been appointed an expert in the Dairy Division for the study of these problems, and a cheese factory in Wisconsin selected as the place where a series of experiments on the lines indicated will be carried on.

Cooperation with the laboratories of the Department has been established so that samples of cheese of different ages may be artificially digested and analyses made, and experiments with this cheese on human subjects is also planned.

SOUTHERN DAIRYING.

The South presents many problems in dairying peculiar to that section. At present the South is supplied with dairy products almost entirely from Northern States. Condensed milk, cream, and butter, and practically all the cheese consumed, are from the North, while the Southern farmer devotes practically his whole attention to raising cotton. This cultivation of cotton upon the same fields year after year rapidly exhausts the soil, which must be restored by the use of commercial fertilizers at high prices. The great need of all this section is live stock; and dairy cattle should be among the first live stock introduced. The South can produce greater quantities of feed at less cost than can any other section of our country, but the lack of knowledge regarding the handling, care, and feeding of dairy stock and the kinds of crops to grow is the great drawback, and one with which the Dairy Division should be in a position to cope, both by sending its own men directly to the farms, and by cooperation with the State experiment stations and with State dairy organizations.

To study these questions, B. H. Rawl, dairyman at the Clemson Agricultural College, South Carolina, has been appointed as an expert. His work thus far has been to travel from point to point, studying the field and lending what encouragement he can to those who desire to go into dairying. Mr. Rawl has met with an enthusiastic reception, and he should be given several assistants, as hundreds of farmers have already shown themselves anxious for information and guidance. At Easley, S. C., a number of men have organized a cheese factory, and through the efforts of Mr. Rawl have been induced to build silos. Great interest is taken in the work by other dairymen in the South, many having indicated a desire to go to Easley and learn the methods, and it is expected to make this an objective center for dairy information. The establishment of other similar points for the diffusion of information in all the States would undoubtedly be attended with good results.

EXPERIMENTS IN THE MANUFACTURE OF EUROPEAN VARIETIES OF CHEESE.

Nearly all the cheese consumed in this country is of the Cheddar and Swiss varieties. In Europe, however, many fine varieties of cheese are made with which the average American is entirely unfamiliar, but the manufacture of which is very desirable in this country, inasmuch as the methods are simple and little machinery is required. Professor Clinton, director of the Storrs Experiment Station, with

this end in view, began an investigation, but, encountering many difficulties, he called upon this Department for assistance and three men were detailed to work under his direction along these lines. During the past year most of the time has been given to the Camembert type of cheese, and the work has been quite successful. Bulletin No. 71 has been published, detailing the difficulties and showing that it is possible to make this cheese in the United States. Another bulletin is in preparation which will give specific instructions for manufacture. The experimental work at present is on the Roquefort type, and complete information will soon be available to the public regarding details of manufacture and the difficulties that beset the average maker who desires to enter this line.

THE CITY MILK SUPPLY.

This live and important subject is receiving more attention in many cities to-day than any other special feature of dairying, but it has been practically neglected by the experiment stations. The milk supply of cities is a serious question, and the problems in connection with it urgently demand investigation and solution. The Department has numerous calls for information and assistance, and it should be in a position to supply men who could go from place to place to study the laws of municipalities regulating milk supply, to give lectures to the people as to what they should demand in the way of pure milk, to investigate sources of the supply with special reference to the sanitation of barns and premises, and to inform producers as to the best methods. The value of pasteurization should be studied both in the field and the laboratory, as well as the methods of the producers of what is called "certified" milk. In connection with transportation, the principles of refrigeration, proper vessels for the milk in transit, receiving by railroads, and the several methods of distribution are all questions which should be investigated and information regarding them obtained and spread. Frequent application is made to the Department for information as to regulations of the various municipalities on these subjects, and a compilation of such regulations would be a convenient document.

The publication of one bulletin, No. 70, on the milk supply of 29 Southern cities, and the preparation of one bulletin on the milk supply of Philadelphia, New York, and Boston practically cover the work done by the Bureau on this subject during the past year.

DAIRY HUSBANDRY.

The fact that 50 per cent of the registered stock in dairy herds of this country should be regarded as scrubs because of low production shows that something along the line of breeding should be undertaken upon a broad and comprehensive basis, such as has been done, for instance, in the breeding of plants. As special lines along which such work might profitably proceed, the following may be mentioned: A study of the adaptability of the different breeds to different localities, involving questions of climate, character of country, and feed conditions; investigation of the perplexing question of whether or not the so-called "dual purpose" dairy animal is or can be made more profitable for certain sections than other types; encouragement of the

use of ensilage and other coarse feeds; a study of how much grain—the most costly part of the cow's ration—can be replaced by these cheaper feeds; a study of the amount of concentrated feeds that can be fed without injury; the effect of feeding the by-products of distilleries and breweries—in short, the whole question of the effect of feeds on the quality of all dairy products; questions of breeding the proper time and season, the methods of handling breeding stock, shelter, exercise, cleanliness, the feeding of young stock; a systematic line of work in various States, whereby farmers might be induced to keep books of record showing quantities of feed eaten and the amount of product secured, so that unprofitable individuals may be thrown out of the herd. In these lines a vast improvement would result could the work be taken up and prosecuted by the Bureau. Investigation should also be made of the principles underlying the mechanism of farm dairy machinery, and the information obtained should be made public; an endeavor should also be made to secure plans and specifications of the best buildings for dairy purposes.

During the past year very little work has been done by the Bureau along these lines. Two bulletins have been prepared showing great numbers of records of individual animals and of dairy herds, and an investigation of a milking machine, largely from a sanitary standpoint, is now in progress. It can readily be seen, therefore, that there is room for considerable expansion.

RESEARCH WORK CONTEMPLATED.

CREAMERY AND CHEESE FACTORY MANAGEMENT.

Aside from answering correspondence nothing has been done by the Dairy Division on this subject, yet the field is broad and the possibilities great. For instance, upon the introduction of the factory system of manufacturing butter and cheese this country was thought to be a good place to employ the cooperative plan, and many such factories were established. Hundreds of these organizations have been failures. Among other concerns in the business there have also been many failures. These are not due to lack of business capacity, but to a lack of knowledge of the exceedingly numerous and sometimes obscure details of dairy work. Again, the tendency is now toward centralization in the creamery business, and this is looked upon by the producers with considerable misgiving. Could not the Dairy Division of the Bureau profitably investigate these matters and give out accurate and definite information as to the management of creameries? Persistent effort should also be made to induce manufacturers to make such dairy machinery as can be easily kept in a sanitary condition. Makers do not now seem to realize the importance of this point. For the benefit of small concerns investigation should be made as to the kind of equipment necessary to be used, so far as the principles of construction are concerned, and as to cold storage and the disposition of sewage. Important, also, especially where the centralization system has been adopted, is the problem of the transportation of milk and cream to the factory and of the manufactured product to the consumer, and any light thrown on this point would be welcomed both by manufacturers and by the railroads.

INSPECTION OF DAIRY PRODUCTS IN THE MARKETS.

From one-half to three-fourths of the butter that comes to the great markets will not score as "extras," which means that it is not a good quality of butter. Inquiry among butter dealers and officials of State dairy organizations, dairy schools, and State dairy commissioners, leads to the belief that the Bureau, through the Dairy Division, has here a great field for operation. Competent men should be placed in the large markets to score the poorer grades of butter as they come in and report back to the particular State and creamery. The continued shipment of poor goods might be met by sending an expert from the Bureau or from the State to the creamery to study the reasons and to give instruction. The same possibilities are open in the cheese business, though perhaps to a less extent. Thus far the Bureau has done nothing along such lines. In connection with the plan proposed something should be done also toward studying conditions for foreign countries. The Dairy Division has to a limited extent attempted to export butter abroad, but the knowledge gained has not been practical. A thorough study of the conditions and requirements of foreign markets where our butter is likely to find sale would be a benefit.

DAIRY PRODUCTS OTHER THAN BUTTER, CHEESE, AND MILK.

This is another field in which the Bureau has done practically nothing. The manufacture of ice cream is a great industry, but much of the ice cream placed on the market is inferior in quality. The Department should be in position to investigate this question with a view to improvement. The manufacture of condensed and evaporated milk should also be studied. Experiments should be carried on in the manufacture of skim-milk cheese in order to determine if a cheese of this character should not be placed on the market, so that those who are forced to economy may be able to buy a product that is both cheap and wholesome. Numberless food products made in whole or in part of casein of milk should be investigated. The use of milk products in the arts could be studied with profit, and there should be wide experimentation to find profitable outlets for the skim milk and whey of creameries and factories. The use of buttermilk as a drink should receive attention and means be devised to put this wholesome product more generally on the market.

DAIRY STATISTICS.

The need of information of this kind is aptly shown by the speculation as to the cause of the high prices of dairy products during the past winter. Shortage of production, the effects of the oleomargarine law, a greater relative increase in consumption than production, etc., were all alleged as reasons, but satisfactory information was not obtainable. During the storage season buyers who would put butter in storage can not know how the make of the particular year compares with that of previous years. This has a bad effect on prices. These subjects, along with those of the quantities of dairy products manufactured in the country, the quantities put in storage for future consumption, and the amounts of exports and imports, all seem to be

proper questions for investigation by this branch of the Bureau. The only work thus far done is the publication of figures based on the Eleventh and Twelfth censuses, and there has been a large demand for these publications.

INDEXING AND CLASSIFYING DAIRY LITERATURE.

No comprehensive index of dairy literature exists in this country. Information on any dairy topic is obtained only by an examination of numberless books and pamphlets. The great mass of literature should be indexed and classified, including the current literature, so that all the knowledge on any branch of the subject might be easily and quickly made available at any time.

INSPECTION WORK.

INSPECTION OF RENOVATED BUTTER.

Under the law of May, 1902, and the regulations of the Department made in accordance therewith, regular inspection of renovated butter plants has been carried on during the year by inspectors appointed for that purpose. Reports of such inspection on file in the Dairy Division show a tendency among makers to conform to the rules and to endeavor to improve the quality of their goods. The duties of the Bureau inspectors have included a thorough sanitary inspection of plants, inspection as to marking and packing of goods, and inspection of export renovated butter. Inspectors have reported few violations of the rules on the part of manufacturers, but this, unfortunately, is not true of dealers selling renovated butter. Many of the latter have contended that they have a right to remove all marks from such goods and to sell them for whatever they please. A recent decision in the United States district court of southern New York has sustained in every particular the rules and regulations of the Bureau as set forth in Order 127. This decision has been appealed by the defendants to a higher court, and a final decision will probably be reached during the coming winter.

The total amount of renovated butter made during the twelve months ending June 30, 1905, was 60,164,783 pounds, as compared with 54,171,183 pounds made during the twelve months ending June 30, 1904. The demand for all grades of butter was so great during the past year that all the packing stock available was used by the manufacturers, and there is, consequently, little old stock now used. In this line it is recommended that experiments be taken up to improve the general quality of the product. Renovated butter is a legitimate article of food, and it is not the policy of the Department to destroy its manufacture or its market, but to enforce the law which has for its purpose the protection of the consumer against fraud. The consumer could aid in this if he would in all cases ask whether or not the butter sold him is renovated. He could be assured that butter bearing the Government renovated stamp was made under sanitary conditions, and from goods containing nothing deleterious to health.

Statutory salaries, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.

Name.	Designation.	Appointed.	Services ended.	Compensation per annum.
WASHINGTON, D. C.				
D. E. Salmon.....	Chief of Bureau.....	July 1, 1904		\$5,000
A. D. Melvin.....	Assistant chief of Bureau.....	Jan. 1, 1899		2,500
E. B. Jones.....	Chief clerk.....	Oct. 1, 1903		2,000
A. M. Farrington.....	Chief of inspection division.....	Jan. 1, 1899		2,500
H. J. Washburn.....	Assistant chief of inspection division.....	Mar. 20, 1903		1,800
H. E. Alvord.....	Chief of dairy division.....	July 1, 1895	Oct. 1, 1904	2,500
E. H. Webster.....	do.....	Jan. 17, 1905		2,500
C. B. Lane.....	Assistant chief of dairy division.....	Nov. 1, 1903		1,800
John R. Mohler.....	Chief of pathological division.....	July 1, 1902		2,500
George H. Hart.....	Assistant in pathological division.....	Nov. 1, 1904		1,200
Do.....	Veterinary inspector.....	Jan. 1, 1905		1,400
J. N. Hornbaker.....	Assistant in pathological division.....	July 1, 1904		1,200
B. C. Oberly.....	do.....	July 1, 1901		1,200
Do.....	Clerk.....	Nov. 1, 1904		1,400
T. B. Reamy.....	Assistant in pathological division.....	July 1, 1896		840
Marion Dorset.....	Chief of biochemic division.....	Feb. 1, 1904		2,500
James A. Emery.....	Assistant in biochemic division.....	July 1, 1903		1,800
Thomas M. Price.....	do.....	Apr. 15, 1903		1,400
Do.....	Scientific assistant.....	Apr. 1, 1905		1,600
E. W. Brown.....	do.....	Jan. 15, 1904		1,400
Nellie F. Houghton.....	Assistant in biochemic division.....	Jan. 1, 1901		1,200
Alice Henderson.....	do.....	July 1, 1902		720
Do.....	Clerk.....	Feb. 1, 1905		840
Gertrude L. Woodin.....	Assistant in biochemic division.....	July 1, 1904		720
Do.....	Clerk.....	Oct. 1, 1904		900
Do.....	do.....	Feb. 1, 1905		1,000
Rose Browning.....	Assistant in biochemic division.....	Apr. 15, 1905		720
R. W. Hickman.....	Zoologist.....	Mar. 20, 1903		2,500
Albert Hassall.....	Veterinary inspector.....	Dec. 1, 1901		1,800
John S. Buckley.....	do.....	Mar. 20, 1903		1,600
Chas. F. Flocken.....	do.....	July 1, 1903		1,400
George B. Morse.....	do.....	Mar. 20, 1903		1,400
E. C. Schroeder.....	Superintendent of experiment station.....	July 1, 1901		2,000
George W. Brett.....	Assistant superintendent of experiment station.....	Mar. 16, 1901		1,000
James M. Pickens.....	Editorial clerk.....	May 1, 1903		1,800
H. H. Gerdes.....	Clerk.....	Apr. 1, 1897		1,800
Joseph Abel.....	do.....	Mar. 20, 1903		1,600
Charles C. Carroll.....	do.....	July 1, 1902		1,400
Fannie N. Gregory.....	do.....	Apr. 1, 1897		1,400
Evelyn Lyons.....	do.....	July 1, 1898		1,400
Irving W. Pew.....	do.....	July 1, 1904		1,400
McP. Reynolds.....	do.....	Jan. 1, 1891		1,400
Thomas A. Scott.....	do.....	Jan. 1, 1904		1,400
Mary Sullivan.....	do.....	Apr. 1, 1897		1,400
Mary T. Dent.....	do.....	Mar. 1, 1893		1,200
Mary E. Fagan.....	do.....	July 1, 1902		1,200
Frank R. Fravel.....	do.....	Jan. 1, 1904		1,200
Martha H. Mahon.....	do.....	Apr. 1, 1897		1,200
Mary G. Marshall.....	do.....	July 1, 1897		1,200
Sadia Haskell.....	do.....	Jan. 1, 1904		1,000
Edw. C. Johnston.....	do.....	July 1, 1904		900
Do.....	do.....	Jan. 1, 1905		1,000
Mary C. Montgomery.....	do.....	July 1, 1898	Dec. 31, 1904	1,000
Eunice R. Oberly.....	do.....	Jan. 1, 1903	Nov. 1, 1904	1,000
Chas. A. Pfender.....	do.....	July 1, 1903		1,000
Sallie R. Reeves.....	do.....	July 1, 1904		1,000
Leroy Scribner.....	do.....	Dec. 1, 1900		1,000
H. L. Watson.....	do.....	Jan. 1, 1904		1,000
Geo. W. Stiles, jr.....	do.....	Apr. 1, 1904		900
Do.....	do.....	Nov. 1, 1904		1,000
Do.....	Assistant in pathological division.....	Jan. 1, 1905		1,200
B. M. Rowley.....	Clerk.....	Apr. 21, 1905	June 30, 1905	900
Mary A. Agnew.....	do.....	Mar. 1, 1904		840
Alice C. Atwood.....	Scientific assistant.....	July 1, 1904		840
Do.....	Clerk.....	Jan. 1, 1905		840
Anna C. Crain.....	do.....	June 29, 1899		840

Statutory salaries, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation per annum.
Lucie E. Fairfax.....	Clerk.....	Apr. 1, 1904.....		\$840
H. J. Fegan.....	do.....	Feb. 16, 1905.....		840
Wm. L. Marcy.....	do.....	Oct. 1, 1904.....	Feb. 16, 1905	840
L. J. Simonton.....	do.....	Aug. 1, 1902.....		840
Walter R. Swank.....	do.....	Dec. 1, 1904.....		840
Do.....	do.....	Feb. 1, 1905.....		900
W. S. D. Haines.....	Illustrator.....	July 1, 1900.....		1,400
Geo. I. Hall.....	Fireman.....	July 1, 1896.....		720
Benj. R. Sherwood.....	do.....	Apr. 1, 1903.....		720
Chas. C. Croghan.....	Messenger.....	July 1, 1900.....		720
Asa H. Kite.....	do.....	July 1, 1896.....		720
John Nicholas.....	do.....	Mar. 16, 1903.....		720
W. C. Shimoneck.....	do.....	Apr. 3, 1897.....		720
E. G. Grau.....	Skilled laborer.....	May 16, 1903.....		660
Geo. W. Scheerer.....	do.....	Jan. 16, 1898.....		660

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection.....	\$752,840.12	\$5,264.46	\$69,491.73	\$827,626.31
Microscopic inspection.....	52,421.88	21.10	3,769.54	56,212.52
Export cattle inspection.....	63,557.13	270.49	5,058.86	68,886.48
Import cattle inspection.....	13,931.44	2,076.50	12.50	16,020.44
Contagious diseases of animals.....	177,344.93	67,508.76	4,629.42	249,683.11
Contagious diseases of horses.....	4,469.17	1,830.25	1,911.35	8,210.77
Washington and miscellaneous.....	31,550.39	2,331.14	6,126.59	40,008.12
Scientific investigations.....	24,998.27	348.82	7,750.62	33,097.71
Experiment station, Bethesda, Md.....	18,085.32	.....	23,198.70	41,284.02
Dairy division.....	20,444.26	8,388.99	2,437.90	31,271.15
Quarantine stations.....	7,850.20	216.79	2,768.37	10,835.36
Hog cholera serum experiments.....	3,997.99	604.54	1,317.67	5,920.20
Animal husbandry.....	4,563.99	622.54	957.50	6,144.03
Experiments in animal nutrition.....	2,342.54	.....	.....	2,342.54
Hawaiian inspection.....	513.34	.....	.....	513.34
Total.....	1,179,110.97	89,514.38	129,430.75	1,398,056.10

Statement of disbursements from the emergency appropriation, 1904-5.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Contagious diseases of animals.....	\$70,646.79	\$46,745.33	\$1,655.57	\$119,047.69

Statement of disbursements from animal breeding and feeding appropriation.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Experiments at agricultural stations.....	\$3,052.08	\$970.86	\$15,576.48	\$19,599.42

^a Including vouchers paid to October 1, 1905.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
WASHINGTON AND MISCELLANEOUS.									
Robert M. Reese.....	Assistant.....	July 1, 1904	.....	.....	\$2,000	.....	\$1,999.99	.....
Geo. F. Thompson.....	Editor.....	Mar. 20, 1903	.....	.....	2,000	.....	1,999.99	\$64.65
Albert L. Pitney.....	Special agent.....	June 16, 1903	.....	.....	1,800	.....	1,800.00	.....
Granville H. Parks.....	Architect.....	July 1, 1902	.....	.....	1,600	.....	1,600.00	.....
John Wm. Fink.....	Inspector.....	June 1, 1904	.....	.....	1,500	.....	625.00	.....
Andrew Fossum.....	Clerk.....	July 1, 1904	.....	.....	1,400	.....	466.67	.....
C. O. Goodpasture.....	do.....	Feb. 1, 1904	.....	.....	1,400	.....	1,399.99	.....
A. G. Guthridge.....	Telegraph and telephone operator.....	July 1, 1903	.....	.....	1,400	.....	1,399.99	.....
W. J. Nevius.....	Clerk.....	Apr. 15, 1903	.....	.....	1,200	.....	600.00	.....
Do.....	do.....	Jan. 1, 1905	.....	.....	1,400	.....	.....	.....
A. J. Browning.....	Stenographer.....	May 15, 1905	.....	.....	1,200	.....	156.67	.....
E. J. Newmyer.....	Clerk.....	July 1, 1903	.....	.....	1,200	.....	1,200.00	.....
Joseph A. Rice.....	do.....	Aug. 15, 1904	.....	.....	1,200	.....	1,056.67	.....
B. G. Wasdon.....	do.....	July 1, 1903	.....	.....	1,200	.....	1,200.00	.....
Colman Brez.....	Instrument repairer.....	Dec. 1, 1901	.....	.....	1,000	.....	1,116.60	.....
Do.....	do.....	Dec. 1, 1904	.....	.....	1,200	.....	.....	.....
R. E. L. Thompson.....	Carpenter.....	July 1, 1903	.....	.....	1,100	.....	1,099.99	.....
Edw. J. Maloy.....	Messenger and custodian.....	July 1, 1901	.....	.....	1,000	.....	1,000.00	.....
Gertrude L. Woodin.....	Assistant, biochemic division.....	July 1, 1904	.....	.....	720	.....	75.00	.....
Do.....	Clerk.....	Oct. 1, 1904	.....	.....	900	.....	.....	.....
Louise Brereton.....	Microscopist.....	May 1, 1904	.....	.....	900	.....	375.00	.....
Do.....	Assistant microscopist.....	Dec. 1, 1904	.....	.....	600	.....	.....	.....
H. Inez Temple.....	Microscopist.....	May 1, 1904	.....	.....	900	.....	375.00	.....
Do.....	Assistant microscopist.....	Dec. 1, 1904	.....	.....	600	.....	840.00	.....
R. H. Cooke.....	Messenger.....	July 1, 1904	.....	.....	840	.....	350.00	.....
E. G. Ritzman.....	Assistant animal husbandman.....	Feb. 1, 1905	.....	.....	840	.....	.....	.....
Wm. P. Stedman.....	Messenger.....	July 1, 1902	.....	.....	840	.....	840.00	.....
Paul A. Hines.....	Laborer.....	July 1, 1900	.....	.....	720	.....	720.00	.....
Louis C. Schilling.....	Assistant messenger.....	July 1, 1904	.....	.....	600	.....	630.00	.....
Do.....	do.....	Apr. 1, 1905	.....	.....	720	.....	.....	.....
August L. Dahler.....	Laborer.....	July 1, 1904	.....	.....	600	.....	600.00	.....
Cora A. Houseman.....	Assistant microscopist.....	June 10, 1898	.....	.....	600	.....	250.00	.....
O. A. Phillips.....	Laborer.....	Mar. 11, 1905	.....	.....	540	.....	165.00	.....
Martha Barrett.....	Charwoman.....	Aug. 16, 1904	.....	.....	480	.....	420.00	.....
Alice V. De Atley.....	do.....	July 28, 1903	.....	.....	480	.....	480.00	.....
Phoebe De Atley.....	Laborer.....	Aug. 16, 1902	.....	.....	480	.....	469.33	.....

Charwoman	Oct.	1, 1901	Aug. 15, 1904	480	60.00
Eliz. Fleming.....	Aug.	1, 1902		480	480.00
Mary E. Martin.....	Jan.	4, 1901		480	480.00
Willena Moze.....	Nov.	1, 1905		480	480.00
Estelle L. O'Rourke.....	Jan.	1, 1904		480	240.00
Keith K. Rozzelle.....	Dec.	1, 1904		480	280.00
M. E. Sullivan.....	Mar.	20, 1905		360	101.00
A. F. Fletcher.....	Feb.	4, 1905			24.00
E. H. Henderson.....	July	1, 1903			720.00
A. H. Hollidge.....	do				720.00
J. F. Skidmore.....	May	17, 1905			90.00
W. E. Miller.....	July	1, 1901			720.00
Royal G. Stedman.....	Aug.	8, 1904			178.33
Dani J. Byrnes.....	Jan.	1, 1903			600.00
Corinne E. Eaton.....	Mar.	9, 1905			61.67
C. W. Given.....	Aug.	13, 1904			65.00
Wm. Holey.....	Nov.	1, 1903			100.00
C. W. Towlers.....	Apr.	4, 1903			456.00
Ida A. Cook.....	Nov.	7, 1904			8.00
Bennett Hammond.....	May	11, 1904			200.00
Amelia Turner.....	May	24, 1905			38.00
Edw. L. Mann.....					52.00
J. A. Cratty.....					15.00
J. F. Barghausen.....					3.00
E. J. Bashford.....					3.00
John Caldwell.....	Apr.	12, 1904			3.00
Wm. R. Atkins.....	July	25, 1904			3.00
Emergency unskilled laborer.....	Dec.	17, 1904			1.50
do.....	do				1.50
Alex. Washington.....	do				1.50
D. E. Salmon.....					
Geo. P. McCabe.....					420.63
James M. Pickens.....					327.05
S. R. Burch.....					215.66
B. C. Oberly.....					68.30
H. L. Watson.....					55.90
C. A. MacMillan.....					23.50
Alex. T. Butler.....					23.15
Andrew Hyde.....					23.90
E. K. Ward.....					24.80
Harry M. Ball.....					5.00
The Pennsylvania R. R. Co.....					3.70
					283.00
The Pullman Co.....					
The Atchison, Topeka and Santa Fe Rwy. Co.....					98.50
Chicago, Burlington and Quincy Rwy. Co.....					98.55
Chicago and Northwestern Rwy. Co.....					52.25
The Chesapeake and Ohio Rwy. Co.....					42.25
					96.00

a Per month

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
WASHINGTON AND MISCELLANEOUS—continued.										
The Baltimore and Ohio R. R. Co.						Transportation, Salmon and Pickens.			\$44.75	
Union Pacific R. R. Co.						Transportation, McCabe.			74.30	
Denver and Rio Grande R. R. Co.						do.			9.70	
Southern Pacific Rwy. Co.						Transportation, McCabe and Pickens.			87.50	
Chicago, Rock Island and Pacific Rwy. Co.						Transportation, D. E. Salmon.			\$24.50	
Great Northern Rwy. Co.						do.			25.75	
Chicago, Milwaukee and St. Paul Rwy. Co.						do.			11.50	
Southern Rwy. Co.						Transportation, J. M. Pickens.			55.00	
Alabama Great Southern R. R. Co.						do.			39.35	
Galveston, Harrisburg and San Antonio Rwy. Co.						do.			30.00	
W. L. Swayze.						Stationery.				\$915.84
R. Carter Ballantyne.						do.			113.69	
D. Frank Parker.						Typewriter supplies.			485.77	
Remington Typewriter Co.						Typewriter and supplies.			441.10	
Rudolph, West & Co.						Hardware.			110.28	
Thos. Somerville & Sons.						do.			91.71	
James B. Lambie Co. (Inc.).						do.			40.64	
Mackall Bros.						Toilet soap, combs, etc.			109.07	
Eberhard Faber.						Pencils and rubber bands.			295.68	
H. C. Davison & Co.						Copying books.			113.82	
M. Goldsmith & Son.						Inspectors' badges and plates.			114.75	
Library Bureau.						Cards and guides.			105.40	
C. S. Braisted.						Pencils.			101.92	
Union Envelope Co.						Envelopes.			389.76	
U. S. Envelope Co.						do.			23.70	
Church & Stephenson.						Lumber.			225.03	
I. D. Graham.						Manuscript.			150.00	
Underwood Typewriter Co.						Typewriter and supplies.			107.50	
The Oliver Typewriter Co.						do.			75.00	
Potomac Electric Power Co.						Electric current.			97.69	
Adams Express Co.						Expressage.			195.11	

The Geo. W. Knox Express Co.	do.	6.30
U. S. Express Co.	do.	71.91
Baltimore and Ohio R. R. Co.	do.	.67
Western Union Telegraph Co.	Telegrams.	169.94
Postal Telegraph-Cable Co.	do.	85.37
Harvard Laundry Co.	Towel laundry.	43.39
Yawman & Erbe Mfg. Co.	Cases and guides.	32.91
Woodward & Lothrop.	Desks, chairs, and brushes.	91.55
J. P. Nawrath.	Sponges and twine.	65.80
Capital Traction Co.	Street-car tickets.	50.00
Ernest Betz.	Putting on tin roof, etc.	64.40
J. Manz Engraving Co.	Engravings of goats.	35.00
E. Morrison Paper Co.	Ledgers and memorandum books.	29.22
James Elliott & Co.	Towels.	55.00
The Chesapeake and Potomac Telephone Co.	Telephone rental.	48.78
W. B. Moses & Sons.	Rugs, chairs, etc.	37.45
Lamb & Tilden.	Pads and ink.	33.25
Felt & Tarrant Mfg. Co.	Duplex comptometer.	195.00
E. P. Hazleton.	Bicycle brake.	40.00
M. Du Perov.	Electric supplies.	33.69
E. J. Pullman.	Photographic supplies.	34.46
Barber & Ross.	Plates and pliers.	30.94
E. J. Murphy & Co.	Wool sponges.	35.00
Doten-Duntton Desk Co.	Desk.	27.50
Chas. R. Edmonston.	Cooler and soap dishes.	22.95
Z. D. Gilman.	Brushes and roach food.	15.60
E. C. Atkins & Co.	Saws and guide.	17.29
A. F. Mulhearn.	Photographs of sheep.	15.00
Southern Printers' Supply Co.	Electrotype half-tones.	11.30
The J. C. Ergood Co.	Ivory soap and matches.	13.12
R. P. Clarke Co.	Whisks and toweling.	13.83
E. L. Tibbetts.	Translating certificates.	10.00
J. S. J. Clark.	Adjusting telephone pole.	10.00
Wm. H. Rupp Co.	Books and files.	9.60
Geo. T. Fritch & Son.	Brooms.	8.00
Charles P. Swett.	Sheet holders.	7.40
"Oliver" Machinery Co.	"Oliver" hand jointer.	185.00
The Publishers' and Printers' Engraving Co.	Line engravings.	8.75
Walker Engraving Co.	do.	2.00
J. Karr's Sons.	Soapine.	7.00
N. H. Shea.	Repairing chairs.	5.76
Geo. E. Bedell.	Stylographic ink.	7.95
John Underwood & Co.	Chamois skins and oil.	4.05
Geo. F. Muth & Co.	Wood-split pulley.	6.10
National Electric Supply Co.	Burlap and thread.	7.00
Lansburgh & Bro.	Window glass.	4.74
Francis Miller.	Copies of affidavit.	4.31
Jerrold R. Letcher.	Repairing typewriter.	3.35
Densmore Typewriter Co.		4.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
WASHINGTON AND MISCELLANEOUS—continued.										
Fred A. Schmidt.						Ruling pens				\$3.28
Hugh Kelly.						Irish glue.				7.50
J. Baumgarten & Sons.						Dating stamp.				2.50
Secretary of state of Indiana.						Certified copy of laws.				3.00
Littfield, Alvord & Co.						Hauling.				2.22
S. Kann, Sons & Co.						Thread and pins.				1.90
The American News Co.						Gem clips.				1.56
A. A. Arnold.						Wool.				6.00
A. W. Dolph.						do.				7.50
Geo. McKerrow & Sons.						do.				7.20
H. H. Keim.						do.				6.00
Frayer & Thomas.						do.				6.00
C. S. Lyon.						do.				7.50
L. E. Thompson.						do.				8.00
Wm. J. Cahill.						do.				7.50
J. H. Woodford.						do.				7.50
J. B. Henderson.						do.				7.50
D. A. Tower.						Red ink.				1.04
The Maurice Joyce Engraving Co.						Autograph stamp.				.50
Chas. Shore.						Vulcanizing tire.				.75
F. P. May & Co.						Mouse traps.				.55
Blue Line Transfer Co.						Freight on glass.				.25
Roswell Register.						Advertising.				2.75
The State Co.						Copies for filing.				.50
The Times Dispatch.						do.				.20
The Age-Herald Publishing Co.						do.				.50
The Arizona Publishing Co.						do.				.50
The Bee Publishing Co.						do.				.30
The Topeka Capital.						do.				.20
The Dallas Morning News.						do.				.50
The Daily Argus-Leader.						do.				.50
The Forum Printing Co.						do.				.30
The Commercial Appeal.						do.				.50
Salt Lake Tribune Publishing Co.						do.				.50
							\$31,550.39	\$2,331.14		6,126.59

SCIENTIFIC INVESTIGATIONS.

B. M. Bolton	Expert	May 1, 1904	a 150.00	1,800.00	
Do.	do.	Oct. 1, 1904	\$1,800		
C. N. McBryde	Scientific assistant	Jan. 16, 1904	1,400	1,450.00	
Do.	do.	Apr. 1, 1905	1,600		
T. M. Price	Assistant, biochemic division	Apr. 15, 1903	1,400	400.00	
Do.	Scientific assistant	Apr. 1, 1904	1,400		
B. H. Ranson	do.	Jan. 1, 1905	1,400		
Do.	do.	Apr. 1, 1905	1,600	1,450.00	19.35
Ernest W. Brown	do.	Jan. 15, 1904	1,400	1,007.22	
B. C. Oberly	Assistant, pathological division	July 1, 1901	1,200	933.39	
Do.	Clerk	Nov. 1, 1904	1,400		
A. A. Harmon	Assistant Inspector	July 12, 1904	1,200	1,100.00	
Geo. H. Hart	do.	Dec. 7, 1903	1,200		
Do.	Assistant, pathological division	Nov. 1, 1904	1,200	400.00	
Carrie Myers	Clerk	Jan. 1, 1904	1,200	1,070.00	
W. S. Stamper	do.	do	1,200	1,200.00	
A. M. West	Assistant, biochemic division	July 1, 1904	1,200	1,050.00	
E. C. Stevenson	Scientific assistant	May 15, 1905	900	925.00	
Do.	do.	Apr. 1, 1905	1,000		
Lena B. Goetz	Skilled laborer	Feb. 15, 1904	840	840.00	
H. W. Graybill	Scientific assistant	Feb. 20, 1905	840	301.00	
H. J. Shore	Laborer	July 1, 1903	a 60.00	735.00	
Do.	Laboratory assistant	Jan. 1, 1905	750		
Alice Henderson	Clerk	June 4, 1904		180.00	
Do.	Assistant, biochemic division	Oct. 1, 1904	720	720.00	
S. D. Castleman	Laborer	July 1, 1900	720	720.00	
Owen R. Perry	do.	Sept. 16, 1901	900	350.00	
Louise Breton	Microscopist	May 1, 1904	600		
Do.	Assistant microscopist	Dec. 1, 1904	600	620.00	
Frank L. Rector	Scientific aid	July 1, 1904	600		
Do.	Scientific assistant	May 1, 1905	600	73.33	
H. S. McAuley	Laboratory helper	May 18, 1905	480	480.00	
Louise Douglas	Charwoman	Oct. 1, 1897	480	480.00	
Jennie Jones	do.	July 1, 1900	480	280.00	
Kate Wasson	do.	do	480		
Lulu Marshall	do.	Mar. 25, 1905	480	200.00	
Do.	do.	Jan. 5, 1905	240		
R. C. Harley	Expert assistant	Jan. 5, 1905	a 60.00	720.00	
James M. Perry	Classified laborer	July 1, 1904	a 60.00	720.00	
Fanny Tyson	Laborer	Feb. 1, 1902	a 60.00	600.00	
Wm. Alexander	do.	May 1, 1900	a 50.00	600.00	
A. C. Cassell	do.	July 1, 1898	a 50.00	600.00	
V. E. Johnson	do.	July 1, 1902	a 50.00	600.00	
H. Maria Patton	do.	Apr. 16, 1901	a 50.00	600.00	
Do.	do.	July 1, 1900	a 50.00	480.00	
Sadie S. Berlin	do.	May 4, 1901	a 40.00	60.00	
Grace M. Curtin	Clerk	Feb. 14, 1905	a 40.00	60.00	
Clara T. Gill	Unskilled laborer	May 1, 1904	a 40.00	480.00	

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
SCIENTIFIC INVESTIGATIONS— continued.										
M. L. Hughes.....	Unskilled laborer.....	May 22, 1905.....		a \$40.00.....						
A. E. Phillips.....	Laborer.....	July 30, 1900.....		a 40.00.....			\$53.33.....			
Fred'k Meyett.....	Occasional laborer.....	Jan. 1, 1905.....		1.50.....			480.00.....			
John R. Mohler.....						Traveling and miscellaneous expenses.....	120.00.....	\$57.95.....		\$226.10.....
J. E. Blackwell.....						Traveling expenses.....		15.45.....		
H. R. Ryder.....						do.....		14.52.....		
H. J. Washburn.....						do.....		5.60.....		
L. K. Green.....						do.....		5.05.....		
Thomas Cook & Son.....						Transportation, Nørgaard.....		146.75.....		
The Pennsylvania R. R. Co.....						Transportation, McBryde.....		30.15.....		
Southern Rwy. Co.....						Transportation, Mohler.....		27.50.....		
New Orleans and North Eastern R. R. Co.....						do.....		26.50.....		
Potomac Electric Power Co.....						Electric current.....				633.83.....
Mackall Bros.....						Breakers, filters, etc.....				627.30.....
Chas. M. Day.....						Blackleg material.....				449.35.....
Washington Gas Light Co.....						Gas.....				422.40.....
Library bureau.....						Cards and guides.....				228.83.....
B. H. Ransom.....						Sheep, lime, etc.....				230.60.....
Geo. E. Howard.....						Vaccine, envelopes, and plates.....				332.50.....
American Ice Co.....						Ice.....				293.51.....
Bausch & Lomb Optical Co.....						Forceps, flasks, and tubes.....				298.37.....
Z. D. Gilman.....						Sterilizer, syringes, and thermometers.....				114.82.....
Marion Dorset.....						Culture-media material.....				133.61.....
Harvard Laundry Co.....						Laundry of towels and coats.....				99.24.....
J. Harrison Johnson & Son.....						Rent of laboratory.....				1,800.00.....
W. M. Galt & Co.....						Wheat, oats, and corn.....				155.20.....
Elmer & Amend.....						Extraction apparatus, etc.....				130.93.....
Church & Stephenson.....						Lumber.....				105.50.....
Geo. D. Feidt & Co.....						Peptone, sulphate, etc.....				82.09.....
The Hammond Typewriter Co.....						Typewriter and supplies.....				85.75.....
The American Distributing Co.....						Alcohol.....				50.22.....
F. P. Shea.....						Two cows.....				56.00.....
E. W. Brown.....						Street-car fares.....				40.46.....
Chas. R. Edmonston.....						Jugs, filters, and tubes.....				38.95.....

Thos. Somerville & Sons...	Plumber's material...	37.40
Rex Sanitary Appliance Co...	Disinfectors...	26.95
W. B. Moses & Sons...	Ice chest, shades, and mat...	30.92
The Public Printer...	Printing bulletins...	500.29
Woodward & Lothrop...	Desk and chairs...	35.93
Edw. S. Schmid...	Pipettes and burettes...	26.12
Ernest Betz...	Rats, mice, and pigeons...	15.20
The Randall-Faichney Co...	Trays, pans, and repairs...	22.00
Densmore Typewriter Co...	Syringes and needles...	18.79
Remington Typewriter Co...	Repairs to typewriters...	10.35
E. C. Stevenson...	Typewriter table and repairs...	28.78
The M. Lindsay Rubber Co...	Lumber, labor, etc...	10.45
Whitall Tatam Co...	Rubber bags and sheeting...	36.10
The Chesapeake and Potomac Telephone Co.	Beakers, vials, and dishes...	32.56
Wm. F. Bowen...	Telephone rental...	21.92
National Electric Supply Co...	Fairbanks scales...	20.00
The C. J. McCubbin Co...	Desk fans...	18.00
Wm. Kraft...	Valve and coupling...	16.45
Keasbey & Matison Co...	Slips and slides...	13.20
Dulin & Martin Co...	Asbestos paper and pipe...	8.42
R. Carter Ballantyne...	Boiler and buckets...	6.38
E. Morrison Paper Co...	Sealing wax...	6.48
Simplex Electric Heating Co...	Gummed labels...	6.35
J. Bishop & Co...	Flask heater...	9.60
F. P. May & Co...	Platinum wire...	7.64
Underwood Typewriter Co...	Mill and grinders...	5.50
E. G. Murphy & Co...	Repairs...	5.00
Geo. E. Bedell...	Plate glass...	5.10
The E. B. Adams Co...	Repairing chairs...	5.00
The Baker & Adamson Chemical Co.	Aspirin wall churn...	7.50
Max Woelcher & Son...	Asbestos...	3.50
Darius E. Burton...	Catheter and speculum...	3.50
S. C. Raub...	Stepladder...	2.00
Barber & Ross...	Beer bottles...	2.65
W. L. Swayze...	Tile and brass...	7.05
Improved Mailing Case Co...	Fountain pen and knives...	3.15
R. C. M. Burton & Son...	Mailing cases...	4.00
Arthur H. Thomas Co...	Repairing awnings...	2.50
Gaylord Bros...	Glycerin jelly...	2.18
D. N. Walford...	Envelopes...	1.50
Berketfield Filter Co...	Razor...	1.25
Rudolph West & Co...	Cylinder and mantle...	1.50
Louis Hartig...	Pliers, knives, and stone...	1.45
Bernhard Faber...	Iron...	1.03
W. A. Lockwood...	Rubber bands...	.96
Chas. Lentz & Sons...	Rubber apron...	.75
Mereck & Co...	Sharpening knife...	.75
	Milk and sugar...	.50

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.			Disbursements.			Miscellaneous.
				Per diem.	Per annum.		Miscellaneous items.	Salaries.	Traveling.	
SCIENTIFIC INVESTIGATIONS—continued.										
Forsberg & Murray							Hand hole dog.			\$0.40
R. P. Clarke Co.							Millinet.	\$24,998.27	\$348.82	.06
EXPERIMENT STATION, BETHESDA, MD.										7,750.62
W. E. Cotton.	Expert assistant.	June 1, 1903			\$1,600			1,600.00		
Taylor Trice.	Assistant messenger.	July 1, 1898			720			720.00		
H. Henderson.	Laborer.	Jan. 1, 1904			540			540.00		
John Richards.	do.	July 1, 1896			500			499.99		
J. A. Moxley.	do.	July 1, 1900		a \$60.00				720.00		
Harry B. Myers.	do.	Aug. 1, 1902		a 60.00				720.00		
Wm. R. Poore.	do.	July 1, 1904		a 60.00				720.00		
Richard E. Seek.	do.	do.		a 60.00				720.00		
John W. Shipley.	do.	July 16, 1901		a 60.00				720.00		
C. M. Thomas.	do.	Aug. 1, 1902		a 60.00				720.00		
Fritz Voigt.	do.	July 1, 1904		a 60.00				720.00		
Wm. T. Fugh.	do.	Jan. 1, 1904		a 45.00				720.00		
Do.	do.	Jan. 1, 1905		a 50.00				570.00		
Geo. M. Staedtler.	do.	July 1, 1903		a 50.00				600.00		
August Voigt.	do.	July 1, 1904		a 50.00				600.00		
G. F. Coleman.	do.	July 1, 1903		a 40.00				510.00		
Do.	do.	Jan. 1, 1905		a 45.00				540.00		
Frank Matthews.	do.	July 1, 1903		a 45.00				360.00		
E. V. Caywood.	do.	Jan. 1, 1904		a 40.00				80.00		
John Fletcher.	do.	July 1, 1903	Aug. 31, 1904	a 40.00						
Chas. Gingell.	do.	Jan. 1, 1904		a 35.00				467.50		
Do.	do.	Sept. 6, 1904		a 40.00				400.00		
Wm. J. Kirby.	do.	July 1, 1903	Apr. 30, 1905	a 40.00				480.00		
Wm. H. Pyles.	do.	July 1, 1902		a 40.00				480.00		
James Samuel.	do.	Jan. 1, 1904		a 40.00						
Allen Holmes.	do.	Jan. 1, 1903		a 30.00				390.00		
Do.	do.	Apr. 6, 1905		a 35.00						
Frank Lancaster.	do.	Jan. 1, 1905		a 35.00				420.00		
Jacob Lettwich.	do.	July 1, 1903		a 35.00				420.00		
W. W. Lynch.	do.	Jan. 1, 1903	Dec. 5, 1904	a 35.00						
Do.	Unskilled laborer.	July 1, 1903		a 40.00				284.83		

Robt. Woodland.....	Apr. 13, 1903	a 30.00 }			390.00	
Do.....	Jan. 1, 1905	a 35.00 }				
Henry Darr.....	Sept. 9, 1904	a 30.00			280.00	
Wm. Drummonds.....	June 5, 1903	a 20.00			300.00	
C. Mullean.....	June 13, 1905	a 30.00			277.00	
W. T. Burrows.....	Sept. 9, 1904	4.50			270.00	
Bricklayer.....	Dec. 31, 1904	4.50			130.50	
Jos. Englehart.....		4.50			130.50	
Peter O'Donoghue.....		4.50			94.50	
Joseph Thomson.....		4.50			20.00	
Geo. D. Daly.....	Mar. 6, 1905	4.00			100.00	
John J. Lawless.....	Jan. 9, 1905	4.00			80.00	
Geo. D. Stewart.....	Feb. 28, 1905	4.00			28.00	
R. Augusterfer.....	Jan. 23, 1905	3.50			101.50	
Electric wireman.....	June 5, 1905	3.50			273.00	
Carpenter.....	Mar. 16, 1905	3.50			262.50	
do.....	Mar. 27, 1905	3.50			276.50	
do.....	Apr. 4, 1905	3.50				
W. M. Galt & Co.....	Mar. 29, 1905	3.50				
Lewis Kaiser.....					Feed.....	10, 651.51
Church & Stephenson.....					Hogs.....	1, 714.00
Joseph L. Crupper.....					Lumber.....	1, 283.09
Vulcan Construction Co.....					do.....	1, 775.00
Thomas Somerville & Sons.....					Steel and iron work.....	945.20
Barber & Ross.....					Plumber's material.....	695.47
Geo. C. Esher.....					Cement, wire, etc.....	589.32
Rudolph West & Co.....					Cut stone.....	324.00
A. Wilson & Bro.....					Hardware.....	611.90
Arthur H. Thomas Co.....					50 tons coal.....	366.25
J. H. Corning.....					Microtome, centrifuge, etc.....	306.33
Jackson-Phillips Brick Co.....					Hollow brick.....	292.90
Potomac Brick Co.....					Brick.....	262.80
Thomas M. Bond.....					do.....	217.75
The Biggs Heating Co.....					Hauling stone, etc.....	267.25
The Grove Lime and Coal Co.....					Boiler and fixtures.....	254.00
Carroll Electric Co.....					Lime and stone.....	205.00
The M. C. Mitchell Co. (Inc.).....					Installing telephone.....	191.00
Potomac Electric Power Co.....					Steam boiler.....	106.06
L. Leroy Lochte.....					Electric current.....	145.30
Robert Burrows.....					Horseshoeing.....	135.70
The Chesapeake and Potomac Telephone Co.....					Sand.....	158.00
James B. Lambie Co. (Inc.).....					Telephone rental.....	
M. Du Perow.....					Sand screen, belting, etc.....	153.98
Woodward & Lothrop.....					Electrical supplies.....	133.97
U. S. Gypsum Co.....					Desk, table, and chairs.....	102.13
Wm. C. Fleet.....					Plaster and adamant.....	177.00
F. P. Shea.....					Cement and mortar.....	173.66
The General Fireproofing Co.....					4 cows.....	110.00
Geo. F. Muth & Co.....					Expanded metal.....	97.50
National Mortar Co.....					Lead, oils, etc.....	93.79
					Plaster and cement.....	75.50

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
EXPERIMENT STATION, BELTSDA, MD.—continued.									
E. C. Schroeder						Station expenses.			\$86.76
Maekall Bros						Alcohol, soda, and borax.			81.47
W. I. Brooke						Seeds, wagon, etc.			66.85
G. B. Mullin						Hauling.			68.00
Chas. H. Johnson						Thinning roof, etc.			60.00
Geo. D. Feldt & Co.						Chloride and bottles.			55.66
The Okontio Co. (Limited).						Copper wire.			52.50
National Electric Supply Co.						Electric lights.			44.84
Francis Miller						Glass, oil, and brushes.			38.51
Manhattan Electric Supply Co.						Batteries and wire.			46.90
Z. D. Gillman						Thermometers, glycerin, etc.			31.70
W. T. Burrows						Pointing brick.			49.50
The Eureka Rubber Mfg. Co.						Buffalo hose.			60.00
G. H. Parks						Street car fares.			20.45
Thos. F. Trazzani						Repairing carriage.			30.00
Edw. S. Schmidt						Prepared feed.			28.00
Lutz & Co.						Roof pads.			29.50
L. G. Orndorff						Lawn mowers and tools.			26.55
John Mitchell, jr.						Pipes and elbows.			24.64
James Elliott & Co.						Towels.			25.50
Capital Traction Co.						Street car tickets.			17.50
Whitall Tatum Co.						Beakers and pill boxes.			11.07
Thomas W. Smith						Virginia pine.			10.56
P. H. Heiskell, jr., & Co.						Seed and hardware.			21.33
Alex. St. John						Repairing cages.			18.00
Hugh Reilly						Varnish.			15.38
J. T. Walker Sons						Lime and plaster.			11.50
R. C. Drum						Sand.			12.50
B. Leavitt						Cow, for experiment.			10.00
W. B. Moses & Sons						Chairs.			8.70
Re. P. Clarke Co.						Sheeting and linen.			9.56
P. Mann & Co.						Backeye pump.			8.25
W. H. Coon						Papering ceilings.			8.50
Wm. Lochte						Repairing wagon.			8.75
George Meier Co.						Bronze.			7.10
C. A. Selmelders' Sons						Manhole covers.			7.00

[illegible]

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
DAIRY DIVISION—continued.									
C. B. Lane.....						Traveling and miscellaneous expenses.		\$84.74	\$17.82
G. E. Patrick.....						Traveling expenses		5.10	
The Pennsylvania R. R. Co.....						Transportation, Webster, Lane, et al.		167.82	
The Baltimore and Ohio R. R. Co.....						do.....		72.84	
Southern Rwy. Co.....						do.....		94.95	
New York Central and Hudson River R. R. Co.....						do.....		33.36	
Union Pacific R. R. Co.....						do.....		25.05	
The Pullman Co.....						Transportation, Webster and Lane.		11.25	
Chicago and Northwestern Rwy. Co.....						Transportation, Webster, Rogers, et al.		77.84	
Chicago, Milwaukee and St. Paul Rwy. Co.....						Transportation, Webster and Rogers.		15.46	
Louisville and Nashville R. R. Co.....						Transportation, Doane and Rawl.		21.58	
Central of Georgia Rwy. Co.....						do.....		9.02	
The Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....						Transportation, Doane.		21.10	
Lehigh Valley R. R. Co.....						do.....		15.25	
Seaboard Air Line Rwy.....						do.....		14.20	
Atlantic Coast Line R. R.....						do.....		10.10	
Alabama Great Southern R. R. Co.....						do.....		7.80	
New Orleans and Northeastern R. R. Co.....						do.....		6.60	
Michigan Central R. R. Co.....						Transportation, Webster.		20.00	
Chicago and Great Western Rwy. Co.....						do.....		13.40	
The Cleveland, Cincinnati, Chicago and St. Louis Rwy.....						do.....		20.25	
The Lake Shore and Michigan Southern Rwy.....						do.....		20.00	
Georgetown and Western R. R.....						do.....		15.50	

Chicago and Alton Rwy. Co.	do.	7.50	---
The Atchison, Topeka and Santa Fe Rwy. Co.	Transportation, Lang.	27.99	---
The Wabash R. R. Co.	Transportation, Lane.	14.25	---
Chicago, Rock Island and Pacific Rwy. Co.	do.	12.50	---
Pere Marquette R. R. Co.	do.	8.70	---
New York, New Haven and Hartford R. R. Co.	do.	10.80	---
Chicago, Burlington and Quincy Rwy. Co.	do.	5.16	---
Norfolk and Western Rwy. Co.	do.	5.80	---
The Delaware, Lackawanna and Western R. R.	Transportation, Patrick.	8.70	---
Northern Pacific Rwy. Co.	Transportation, Lang.	9.52	---
Green Bay and Western R. R.	Transportation, Rogers.	13.45	---
The Southern Pacific Rwy. Co.	Transportation, McArthur.	31.95	---
Georgia Southern and Florida Rwy. Co.	Transportation, Webster.	6.36	---
International and Great Northern R. R. Co.	Transportation, Rawl.	8.25	---
Houston, East and West Texas Rwy.	do.	6.95	---
Galveston, Harrisburg and San Antonio Rwy.	do.	6.30	---
Illinois Central R. R. Co.	do.	3.90	---
Atlanta and West Point R. R.	do.	3.48	---
Yazoo and Mississippi Valley R. R.	Transportation, Doane.	6.45	---
J. A. Clinton.	Traveling expenses.	26.38	---
W. S. Goodhue.	Rents in Chicago.	500.00	---
The Chicago Insulated Wire Co.	do.	42.00	---
John S. Martin & Co.	Rents in New York.	206.67	---
Plymouth Refrigerating Water, Light and Power Co.	Rent.	50.00	---
A. Booth & Co.	Rent, refrigerating rooms.	15.00	---
W. B. Moses & Sons.	Matting, hnoleum, etc.	164.65	---
H. A. Chaplin.	Cheese.	117.04	---
Simpson, McIntire & Co.	Butter.	64.80	---
U. S. Envelope Co.	Envelopes.	60.40	---
W. Silas Sheetz.	Camera and lens.	95.02	---
Doten-Dunton Desk Co.	Desk.	45.00	---
Remington Typewriter Co.	Desk, chair, and repairs.	44.40	---
National Electric Supply Co.	Desk fans.	38.00	---
Yawman & Erbe Mfg. Co.	Cards and cases.	35.50	---
Thos. Somerville & Sons.	Boiler, grate, and valves.	32.85	---
Potomac Electric Power Co.	Electric current.	28.85	---

Laboret	Oct. 1, 1903	June 27, 1905	a 60.00		360.00	
Emma V. Rapp	Oct. 1, 1903	June 27, 1905	a 60.00		360.00	
L. R. Davies	May 17, 1905		a 40.00		40.00	4.40
P. M. Brooke	June 6, 1905		2.50		22.81	
M. Chrysum	do		2.50		25.31	
The Baltimore and Ohio R. R. Co.				Transportation, G. M. Rommel.		168.45
The Pennsylvania R. R. Co.				do		74.73
Chicago and North Western Rwy. Co.				do		27.30
The Chicago and Alton Rwy. Co.				do		9.50
C. F. Curtiss				Traveling expenses		27.10
John Shipley				do		10.51
Jas. A. Crafty				do		1.65
Church & Stephenson				Lumber		219.52
T. M. Dismore & Co.				Feed		134.26
The Smith Premier Typewriter Co.				Typewriter, table, etc		101.50
W. B. Moses & Sons				Linoleum and chairs		108.31
Dotten-Dunton Desk Co.				Desk		45.00
Michl. Dunbar				Pigs		45.00
Woodward & Lothrop				Desks and chairs		38.76
F. P. May & Co.				Seals and freight		26.25
Cyclone Woven Wire Fence Co.				100 rods fencing		32.25
Rudolph, West & Co.				Hardware		24.52
Yawman & Erbe Mfg. Co.				Guides		23.55
Spencer Patterson				Pigs		20.00
Swift & Co.				Digester tankage		19.26
National Electrical Supply Co.				Desk fans		18.00
Wm. A. Dixon				Photographs of sheep		16.00
A. Buel's Sons' Co.				Hog troughs		11.80
L. P. Roosa				Duty on sheep		11.28
Remington Typewriter Co.				Supports and cover		9.00
R. J. O'Brien & Bros. Co.				Forage for sheep		8.40
Geo. F. Muth & Co.				Cloth		6.40
E. J. Pullman				Lantern plates		4.50
Southern Printers' Supply Co.				Electrotyping half-tones		4.40
Francis Miller				Window glass		4.20
Library Bureau				Cards		4.75
M. Du Perow				Lamp holders		4.05
N. C. Cotton Oil Co.				Freight on oil and meal		3.34
D. F. Groff				Oak molding		3.00
Underwood Typewriter Co.				Cushions		.80
Barber & Ross				Towel rack		.75
The Chesapeake and Potomac Telephone Co.				One call		.15
					4,563.99	622.54
						957.50

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
BOG-CHOLERA SERUM EXPERIMENTS.									
W. B. Niles	Inspector.	Oct. 1, 1901			\$1,600		\$1,599.99	\$102.11	\$239.53
Chas. M. Day	do.	Jan. 1, 1903			1,500		875.00	217.53	33.50
J. S. Bagnall	Laborer	June 12, 1902		\$2.50			460.00		
M. L. Byrd	do.	May 22, 1901	Nov. 30, 1904	2.50			50.00		
M. M. Chambers	do.	do.	do.	2.50			60.00		
S. N. Heaton	do.	Apr. 25, 1900	do.	2.50			52.50		
Thos. McMahon	do.	May 22, 1901	do.	2.50			55.00		
A. A. Timson	do.	Apr. 25, 1900	do.	2.50			55.00		
Henry Towns	do.	do.	do.	2.00			690.00		
James Copeland	do.	Oct. 10, 1901		2.00		Traveling expenses		174.35	
G. H. Hambleton	do.	May 1, 1905				do.		54.45	
Chas. N. McBryde						Transportation, Dorset		27.75	
Marion Dorset						do.			
The Chesapeake and Ohio Rwy. Co.						do.			
The Missouri Pacific Rwy. Co.						Lumber			106.92
Fred H. Muir						do.			60.00
Frank Brandon						Rent			100.00
D. B. Hill						do.			56.00
Emma Curran, administratrix						Wire fencing			82.11
A. L. White						do.			47.20
Horton & Steigewall						Feed			72.78
Frank Fowler						do.			58.73
E. J. Lamb						do.			26.40
Shannon & Axtell						do.			21.60
Silas Crandall						do.			18.90
L. R. DeFreece						do.			6.00
City Telephone Co.						Telephone rental			63.00
A. A. Timson						Small pigs			40.00
N. L. Niles						do.			32.00
F. L. Carpenter						do.			40.00
A. T. Hakes						do.			36.00
Joseph Hlatt						do.			34.00
F. E. Morgan						do.			21.00
C. M. Jordan						do.			30.00
E. B. Spradlen						do.			30.00
T. E. James						do.			30.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.	
CONTAGIOUS DISEASES OF HORSES—continued.										
Pitt H. Barker.....						Mare.....				\$15.00
Old Bad Wound.....						do.....				15.00
Todd Hookman.....						do.....				10.00
Sam'l Lockman.....						do.....				10.00
James McBeth.....						do.....				10.00
George Shaffer.....						Cryptorchid.....				30.00
Philip White.....						Yearling colt.....				5.00
John No Ears.....						do.....				3.00
Tomlinson & Day.....						Advertising.....				3.50
The Bee Publishing Co.....						do.....				
							\$4,469.17	\$1,830.25		1,911.35
EXPERIMENTS IN ANIMAL NUTRITION.										
Henry P. Armsby.....	Expert in animal nutrition.....	July 1, 1898			\$1,000					
W. W. Brame.....	Assistant expert in animal nutrition.....	July 1, 1904			840					
	do.....		Dec. 31, 1904	a \$35.00						
T. M. Carpenter.....	do.....	Oct. 10, 1902		a 35.00						
N. C. Hammer.....	Draftsman.....	Jan. 9, 1905		b. 25						
E. H. Armsby.....	Laborer.....			b. 25						
John B. Robb.....	Clerical assistant.....			b. 25						
R. E. Stallings.....	Laborer.....									
S. P. Armsby.....	do.....									
N. W. Buckhout.....										
							2,342.54			
HAWAIIAN INVESTIGATIONS.										
Victor A. Nørgaard.....	Inspector.....	Feb. 8, 1905			1,400					
							513.34			
							513.34			
CONTAGIOUS DISEASES INSPECTION.										
Albert Dean.....	Live stock agent.....	Sept. 1, 1893			1,800					27.56
Joseph Bruser.....	do.....	Nov. 15, 1897			1,200				121.45	
							1,800.00			
							1,200.00			

W. E. Hill	do	.....do	.....do	1,083.34	108.85	.....
Wm. D. Jordan	do	Jan. 1, 1894	.....	1,200.00	695.00	.....
D. Cunningham	do	.....do	.....	1,200.00	336.45	.....
Geo. C. Moser	do	.....do	.....	1,200.00	.....	.....
B. L. Stine	do	.....do	.....	1,200.00	11.70	75.21
Special live stock agent	do	.....do	.....	1,200.00	170.38	.....
Inspector	do	July 1, 1900	.....	1,800.00	387.14	6.00
Agent and expert	do	Dec. 1, 1903	.....	1,800.00	666.67	20.40
Inspector	do	July 1, 1903	.....	1,600.00	211.53	.....
Lowell Clarke	do	Sept. 1, 1904	.....	1,600.00	933.34	470.85
A. A. Holcombe	do	May 1, 1904	.....	1,600.00	640.00	239.65
John McBriney	do	Dec. 1, 1898	.....	1,600.00	666.67	64.75
Louis Metsker	do	Sept. 1, 1904	.....	1,600.00	1,199.99	229.03
A. J. Payne	do	Jan. 18, 1904	.....	1,600.00	1,333.33	355.22
Thos. J. Turner	do	Sept. 1, 1901	.....	1,600.00	551.12	50.80
Chas. H. Zink	do	Feb. 1, 1900	.....	1,600.00	.....	85.44
Robt. A. Ramsay	do	Jan. 1, 1904	.....	1,600.00	.....	.....
Do	do	Sept. 1, 1904	.....	1,600.00	.....	.....
H. B. Adair	do	Feb. 1, 1903	.....	1,500.00	625.00	.....
Leslie J. Allen	do	Jan. 1, 1903	.....	1,500.00	517.15	.....
Harry M. Ball	do	Oct. 1, 1904	.....	1,500.00	375.00	120.25
W. C. Barth	do	Oct. 1, 1903	.....	1,500.00	1,375.00	766.96
Levi P. Beechey	do	Dec. 1, 1903	.....	1,500.00	1,241.67	339.25
R. J. Blanche	do	Apr. 1, 1903	.....	1,500.00	625.00	140.05
Geo. A. Bond	do	Dec. 1, 1903	.....	1,500.00	1,375.00	648.35
Thos. A. Bray	do	May 1, 1903	.....	1,500.00	1,500.00	378.14
Chas. H. Davies	do	Aug. 1, 1902	.....	1,500.00	1,145.83	192.95
Roy N. Drake	do	Jan. 1, 1904	.....	1,500.00	625.00	126.75
F. C. Eells	do	Nov. 1, 1903	.....	1,500.00	275.15	.....
W. P. Ellenberger	do	Jan. 1, 1904	.....	1,500.00	213.88	.....
J. G. Fish	do	Oct. 1, 1903	.....	1,500.00	1,341.66	561.00
Wm. R. Fleming	do	Jan. 10, 1904	.....	1,500.00	625.00	177.85
D. C. Hanawalt	do	May 1, 1904	.....	1,500.00	625.00	170.65
F. W. Hopkins	do	Oct. 1, 1903	.....	1,500.00	250.00	244.21
Walter P. Howe	do	Dec. 1, 1903	.....	1,500.00	121.75	.....
E. N. Hutchinson	do	Apr. 1, 1903	.....	1,500.00	625.00	342.35
J. Otis Jacobs	do	Dec. 1, 1903	.....	1,500.00	625.00	163.60
Peter I. Kershner	do	June 1, 1903	.....	1,500.00	625.00	120.75
John A. Kieran	do	June 15, 1903	.....	1,375.00	709.31	.....
Louis A. Klein	do	Apr. 1, 1904	.....	500.00	43.00	3.60
John V. Laddey	do	May 15, 1903	.....	795.83	212.27	.....
M. S. Lantz	do	Jan. 1, 1904	.....	625.00	131.20	.....
Joseph W. Parker	do	Jan. 1, 1901	.....	1,125.00	263.10	.....
A. J. Pistor	do	.....do	.....	625.00	35.05	.....
Hugh M. Rowe	do	.....do	.....	625.00	196.35	.....
W. A. Savage	do	Mar. 16, 1903	.....	625.00	75.22	.....
Nathl. B. Smith	do	July 1, 1904	.....	625.00	297.20	.....
Geo. E. Totten	do	Jan. 1, 1904	.....	625.00	121.75	.....
A. H. Wallace	do	Apr. 1, 1904	.....	1,466.67	104.40	.....
Alex. E. Wight	do	.....do	.....	1,320.83	557.00	.....
H. M. Batchelder	do	Mar. 1, 1902	.....	1,397.78	493.00	.....
Do	do	Sept. 1, 1904	.....	.....	.....	.....

b Per hour.

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
C. A. Clawson.	Inspector.	Feb. 1, 1903.	.....	.....	\$1,400.	.....	\$1,416.66	\$378.84	.....
Do.	do.	May 1, 1905.	.....	.....	1,500.	.....	.....	.....	.....
S. E. Cosford.	do.	May 1, 1900.	.....	.....	1,400.	.....	1,375.00	506.15	.....
Do.	do.	Aug. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
E. J. Foreman.	do.	Feb. 15, 1903.	.....	.....	1,400.	.....	600.00	132.10	.....
Do.	do.	May 1, 1905.	.....	.....	1,500.	.....	.....	.....	.....
H. J. Hammond.	do.	Sept. 1, 1902.	.....	.....	1,400.	.....	625.00	144.44	.....
Do.	do.	Sept. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
Jno. J. Hayes.	do.	July 12, 1902.	.....	.....	1,400.	.....	625.00	392.50	.....
Do.	do.	Aug. 1, 1904.	.....	.....	1,500.	.....	.....	.....	.....
A. N. Irwin.	do.	Oct. 1, 1903.	.....	.....	1,400.	.....	1,462.77	538.95	.....
Do.	do.	Nov. 15, 1901.	.....	.....	1,500.	.....	.....	.....	.....
Raymond Johnson.	do.	Aug. 1, 1902.	.....	.....	1,400.	.....	1,125.00	279.36	.....
Do.	do.	Oct. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
R. G. Lawton.	do.	Mar. 1, 1903.	.....	.....	1,400.	.....	1,125.28	470.43	.....
Do.	do.	Apr. 16, 1905.	.....	.....	1,500.	.....	.....	.....	.....
W. B. Lincoln.	do.	May 1, 1901.	.....	.....	1,400.	.....	600.00	216.93	.....
Do.	do.	Oct. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
L. W. O'Rourke.	do.	Sept. 1, 1902.	.....	.....	1,400.	.....	625.00	181.15	.....
Do.	do.	Sept. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
N. L. Townsend.	do.	Aug. 1, 1902.	.....	.....	1,400.	.....	625.00	79.50	.....
Do.	do.	Aug. 16, 1901.	.....	.....	1,500.	.....	.....	.....	.....
Robt. H. Treacy.	do.	Sept. 16, 1901.	.....	.....	1,400.	.....	1,375.00	587.45	.....
Do.	do.	Aug. 1, 1904.	.....	.....	1,500.	.....	.....	.....	.....
Thomas White.	do.	Sept. 1, 1902.	.....	.....	1,400.	.....	625.00	199.50	.....
Do.	do.	Sept. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
W. W. Worcester.	do.	Sept. 1, 1902.	.....	.....	1,400.	.....	625.00	171.00	.....
Do.	do.	Sept. 1, 1901.	.....	.....	1,500.	.....	.....	.....	.....
H. C. Balcock.	do.	Sept. 1, 1903.	.....	.....	1,400.	.....	12.78	33.39	.....
Nelson V. Boyce.	do.	June 1, 1903.	.....	.....	1,400.	.....	116.67	12.80	.....
F. W. Brewer.	do.	Oct. 1, 1903.	.....	.....	1,400.	.....	1,127.78	458.10	.....
Jno. L. Burgett.	do.	Feb. 1, 1904.	.....	.....	1,400.	.....	1,400.00	173.61	.....
Emerson J. Cary.	do.	June 1, 1903.	.....	.....	1,400.	.....	1,240.56	572.22	.....
H. H. Cohennour.	do.	June 1, 1904.	.....	.....	1,400.	.....	917.78	380.85	.....
H. H. Collins.	do.	Sept. 1, 1903.	.....	.....	1,400.	.....	1,283.31	439.70	.....
W. E. Day.	do.	Apr. 1, 1904.	.....	.....	1,400.	.....	233.31	27.80	.....
Chas. W. Deming.	do.	May 16, 1904.	.....	.....	1,400.	.....	583.31	77.00	.....
W. I. Dillingham.	do.	June 15, 1903.	.....	.....	1,400.	.....	612.63	129.75	.....

CONTAGIOUS DISEASES INSPECTION—continued.

A. Eleghorn.	do.	Apr. 1, 1904	1,400	1,205.56	399.47
W. J. Fretz.	do.	June 1, 1903	1,400	233.33	36.50
Il. J. Hancock.	do.	Dec. 16, 1903	1,400	583.34	123.75
Arthur C. Hart.	do.	June 1, 1903	1,400	233.34	89.75
H. H. Hicks.	do.	Dec. 16, 1903	1,400	350.00	167.05
Marion Ives.	do.	Feb. 1, 1904	1,400	493.35	469.10
W. L. Johnson.	do.	Oct. 1, 1903	1,400	583.34	149.15
Wm. F. Jones.	do.	Jan. 16, 1904	1,400	575.56	184.75
C. A. McCall.	do.	Oct. 1, 1903	1,400	1,400.00	246.72
H. R. McNally.	do.	Jan. 16, 1904	1,400	583.34	266.75
W. M. MacKellar.	do.	June 1, 1903	1,400	583.34	65.50
A. W. Miller.	do.	June 1, 1904	1,400	1,314.45	298.13
F. E. Murray.	do.	June 1, 1903	1,400	583.34	77.00
L. A. Nutting.	do.	June 1, 1904	1,400	1,283.34	737.14
Theo. S. Rich.	do.	Nov. 1, 1903	1,400	583.34	161.50
J. M. Simpson.	do.	Aug. 1, 1904	1,400	583.34	272.45
John A. Sloan.	do.	June 16, 1902	1,400	1,400.00	175.75
A. M. Blackwell.	do.	Oct. 17, 1900	1,400	1,187.77	601.73
Do.	Assistant inspector.	Mar. 17, 1905	1,400		
Do.	Inspector.	Sept. 25, 1900	1,200		
W. F. Crewe.	do.	Aug. 1, 1904	1,200		
Do.	Assistant inspector.	June 10, 1901	1,200		
R. F. Eagle.	do.	Sept. 1, 1904	1,200	1,233.34	501.02
Do.	Inspector.	June 23, 1902	1,200		
Fred Evans.	do.	June 1, 1905	1,200	431.11	380.20
Do.	Assistant inspector.	June 1, 1903	1,400		
Wm. L. Hiatt.	do.	Nov. 1, 1902	1,400	1,116.67	482.90
W. H. Hurst.	do.	Jan. 24, 1903	1,200	1,216.67	156.67
Do.	Inspector.	Sept. 1, 1904	1,400		
Chas. Pearson.	do.	June 15, 1903	1,200	1,050.00	323.50
Do.	Assistant inspector.	Dec. 1, 1904	1,200	1,316.67	154.40
X. I. Richmond.	do.	May 1, 1902	1,200		
Do.	Inspector.	Sept. 1, 1905	1,400	3,333.34	141.37
M. A. Sappington.	do.	Dec. 1, 1904	1,200		
Do.	Assistant inspector.	Sept. 15, 1902	1,200	883.33	177.02
Edgar N. Stout.	do.	Oct. 15, 1902	1,200		
Do.	Inspector.	Oct. 16, 1904	1,400	1,295.00	476.07
Laomer West.	do.	June 15, 1903	1,200		
Do.	Assistant inspector.	June 16, 1905	1,400	508.33	126.20
George Jerome.	do.	Mar. 1, 1904	1,400		
Do.	Inspector.	Dec. 1, 1904	1,200	583.33	147.46
H. A. Alcorn.	do.	Sept. 1, 1904	1,200	300.00	273.45
Ed. R. Allen.	do.	Sept. 22, 1904	1,200	110.00	
J. Anglicker.	do.	July 14, 1904	1,200	1,160.00	498.33
C. R. Behler.	do.	June 1, 1904	1,200	536.67	253.60
S. L. Blount.	do.	May 1, 1903	1,200	100.00	28.75
J. B. Boazman.	do.	Sept. 21, 1903	1,200	1,100.00	149.80
J. C. Bowman.	do.	Sept. 7, 1904	1,200	1,080.00	349.75
Wm. J. Brackton.	do.	June 15, 1903	1,200	1,100.00	528.80
S. D. Brimhall.	do.	Aug. 15, 1904	1,200	1,023.33	269.21
Wm. J. Butler.	do.	Sept. 20, 1904	1,200	890.00	838.14
J. B. Campbell.	do.	Sept. 1, 1904	1,200	400.00	27.55

Dec. 31, 1904

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
CONTAGIOUS DISEASES INSPECTION—continued.								
A. T. Coleman	Assistant Inspector	June 15, 1903			\$1,200		\$266.67	\$103.30
W. M. Cummins	do	Apr. 25, 1904			1,200		200.00	75.50
B. C. Davis	do	June 6, 1904			1,200		1,100.00	730.80
J. W. Dunham	do	Aug. 21, 1904	Feb. 23, 1905		1,200		610.00	316.65
John G. Eagle	do	Mar. 26, 1904			1,200		200.00	65.75
Thos. J. Eagle	do	May 1, 1903			1,200		1,043.33	520.35
Wm. A. Fry	do	July 1, 1904			1,200		1,136.67	267.38
Jno. J. Gallagher	do	do			1,200		300.00	139.35
Frank J. Glynn	do	Apr. 22, 1903			1,200		1,100.00	461.66
Ralph Graham	do	July 7, 1904			1,200		700.00	241.20
Robt. B. Grimes	do	May 1, 1905			1,200		200.00	29.55
Wm. Hamilton	do	July 12, 1904			1,200		500.00	113.40
Timothy C. Hays	do	June 17, 1903			1,200		600.00	233.00
C. C. Hencock	do	Dec. 16, 1903			1,200		573.33	89.75
L. C. Henderson	do	Apr. 1, 1904			1,200		300.00	83.75
J. J. L. Holding	do	Dec. 7, 1903			1,200		440.00	280.35
Thomas H. Hicks	do	Sept. 1, 1904	Dec. 31, 1904		1,200		400.00	101.00
H. J. Hoyman	do	May 10, 1904			1,200		223.33	59.15
F. E. Johnson	do	Apr. 27, 1904			1,200		900.00	390.55
Levi E. Johnson	do	May 1, 1905			1,200		200.00	19.40
C. A. Johnston	do	July 22, 1904			1,200		900.00	581.32
F. L. Kampschmidt	do	Aug. 4, 1903			1,200		1,000.00	384.13
John Koppel	do	Sept. 17, 1902			1,200		200.00	131.40
Morgan B. Lamb	do	Mar. 10, 1905			1,200		156.67	7.65
L. A. Licking	do	Aug. 13, 1904			1,200		300.00	52.52
Wm. H. Lytle	do	Jan. 4, 1904			1,200		231.20	231.20
W. B. McAlester	do	Sept. 7, 1904	Dec. 6, 1904		1,200		300.00	103.75
S. W. McClure	do	Jan. 23, 1903			1,200		800.00	256.52
C. E. Maclure	do	July 1, 1904			1,200		1,200.00	525.97
R. M. Mullins	do	Sept. 10, 1904			1,200		110.00	40.65
E. M. Nighbert	do	June 23, 1902			1,200		1,200.00	93.58
O. W. Noyes	do	July 1, 1904			1,200		500.00	318.25
J. F. O'Connor	do	Dec. 18, 1903			1,200		400.00	318.80
Frank D. Owen	do	Apr. 15, 1903			1,200		1,200.00	114.71
Frank Parker	do	Oct. 22, 1900			1,200		300.00	199.25
Robt. M. Rabau	do	May 1, 1903			1,200		900.00	157.57
Jesse Roberts	do	Mar. 1, 1905			1,200		400.00	168.80
E. S. Roberts	do	Sept. 1, 1904	Apr. 15, 1905		1,200		250.00	40.00

W. Schumacher	do.	May 1, 1903	1, 200	600.00	211.05
Wm. A. Skinner	do.	May 1, 1904	1, 200	490.00	198.80
S. Somerville, Jr.	do.	Feb. 1, 1904	1, 200	1, 026.68	427.93
J. A. Stauffer	do.	Nov. 7, 1902	1, 200	1, 200.00	708.60
M. R. Steffen	do.	Apr. 1, 1905	1, 200	300.00	89.80
John D. Thrower	do.	Mar. 1, 1905	1, 200	400.00	96.25
Z. Veldhuis	do.	July 25, 1904	1, 200	623.33	271.00
Wm. L. West	do.	Aug. 5, 1901	1, 200	1, 100.00	525.88
F. W. Weston	do.	Aug. 8, 1903	1, 200	1, 143.33	385.13
Wm. W. Yard	do.	Sept. 22, 1904	1, 200	930.00	383.05
C. J. Young	do.	May 5, 1904	1, 200	500.00	201.05
W. A. Young	do.	Nov. 26, 1904	1, 200	183.33	130.35
A. L. Bailey	do.	Apr. 1, 1904	1, 000	500.00	226.58
Do.	Field stock examiner	Apr. 1, 1904	1, 000		
Do.	Assistant inspector	July 15, 1904	1, 000		
Do.	Field stock examiner	Apr. 1, 1904	1, 000		
Do.	Assistant inspector	July 15, 1904	1, 000		
Do.	Special field stock examiner	Dec. 1, 1904	1, 000		
Colin Campbell	Field stock examiner	May 1, 1904	1, 000	900.00	438.70
Norman K. Adams	do.	Mar. 1, 1904	1, 000	416.67	314.50
H. E. Armstrong	do.	Aug. 1, 1904	1, 000	250.00	161.05
A. H. Bibb	do.	Aug. 1, 1903	1, 000	416.67	350.35
Chas. A. Brown	do.	July 1, 1903	1, 000	416.67	145.95
F. C. Cooley	do.	July 23, 1904	1, 000	416.67	113.95
Wm. R. Dennis	do.	July 1, 1903	1, 000	416.67	358.15
S. D. Gilbert	do.	Nov. 1, 1903	1, 000	416.67	225.25
M. T. Hascall	do.	July 16, 1903	1, 000	416.67	177.25
David R. Hodges	do.	July 1, 1903	1, 000	416.67	177.75
R. E. L. Jackson	do.	Apr. 1, 1904	1, 000	416.67	1.50
Thos. J. Lowry	do.	June 15, 1903	1, 000	750.00	481.27
Jno. C. Massie	do.	Feb. 1, 1904	1, 000	750.00	720.00
Jay Merrill	do.	June 15, 1903	1, 000	416.67	317.10
F. O. Petty	do.	do	1, 000	416.67	330.45
Wm. F. Pfaezger	do.	Dec. 1, 1903	1, 000	416.67	99.25
Wm. Proudfoot	do.	July 1, 1903	1, 000	750.00	247.55
Thos. Redmond	do.	do	1, 000	416.67	567.85
Isiah Richards	do.	Apr. 8, 1905	1, 000	416.67	249.25
F. W. Schatzel	do.	May 16, 1904	1, 000	391.66	283.92
Edw. O. Speake	do.	Dec. 1, 1904	1, 000	416.67	36.00
W. L. Upton	do.	Feb. 18, 1904	1, 000	250.00	138.75
Edw. A. Bundy	do.	Feb. 1, 1901	900	245.84	165.80
Do.	Stock examiner	Apr. 16, 1905	1, 000		
Do.	Field stock examiner	Feb. 15, 1903	900		
Do.	Stock examiner	Sept. 1, 1904	1, 000		
Do.	Field stock examiner	May 1, 1894	900	500.00	349.95
H. L. McDonald	do.	Sept. 16, 1904	1, 000	416.67	261.75
John C. Oren	do.	June 1, 1903	900		
Do.	Stock examiner	Aug. 16, 1904	1, 000	416.67	315.90
Do.	Field stock examiner	May 1, 1904	1, 000		
Do.	do	Dec. 1, 1904	900	166.66	506.79
Do.	Stock examiner	Apr. 1, 1903	900		
Do.	Field stock examiner	Sept. 16, 1904	1, 000	400.00	302.75
Do.	Stock examiner	June 1, 1904	900		
Do.	Field stock examiner	Apr. 1, 1905	1, 000	700.00	625.36

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
CONTAGIOUS DISEASES INSPECTION—continued.									
L. E. Sargent.....	Stock examiner.	Feb. 15, 1903			\$900		\$833.34	\$671.18	
Do.....	Field stock examiner.	Sept. 1, 1904			1,000				
C. K. Schafer.....	Stock examiner.	Apr. 26, 1904			900		916.67	393.67	
Do.....	Field stock examiner.	Aug. 1, 1904			1,000				
Geo. D. Warner.....	Stock examiner.	July 1, 1898			900		383.33	35.50	
Do.....	Field stock examiner.	Jan. 1, 1905			1,000				
James Irwin.....	Stock examiner.	June 15, 1897			1,000		1,000.00		
A. G. Bibb.....	do	Mar. 1, 1896			900		75.00		
C. E. Blackmar.....	do	Feb. 1, 1898			900		225.00		
Geo. E. Butin.....	do	May 16, 1904			900		27.50	8.49	
T. B. Cracroft.....	do	May 1, 1903			900		900.00		
A. L. Faunce.....	do	Mar. 16, 1901			900		150.00	85.75	
Wm. C. Honan.....	do	May 1, 1897			900		375.00	100.34	
R. G. Merrill.....	do	Mar. 1, 1903			900		375.00	61.50	
Geo. H. Robinson.....	do	Apr. 15, 1903			900		375.00	381.41	
Geo. F. Schiermann.....	do	Apr. 1, 1897			900		900.00		
Henry Singleton.....	do	Jan. 1, 1905			900		300.00		
S. I. Valentine.....	do	May 1, 1904			900		675.00	502.45	
A. E. Wagner.....	do	May 1, 1894			900		825.00		
Henry C. Williams.....	do	Feb. 1, 1901			900		825.00		
Wm. Jenner.....	do	do			900		892.50	122.05	
Clerk.....	Clerk.	Nov. 1, 1903			900		375.00		
Edw. O. Speake.....	do	May 1, 1903			840		350.00	7.67	
Geo. M. Bettis.....	Tagger.	May 7, 1902	Jan. 31, 1905		720		225.00	96.15	
Leon Durham.....	Stock examiner.	Apr. 1, 1905			900				
Do.....	Tagger.	Dec. 26, 1901			720				
Jas. M. Lawson.....	do	Nov. 22, 1904			840		609.16	585.33	
Do.....	do	Apr. 16, 1905			900				
E. R. O'Neil.....	Tagger.	Apr. 1, 1903			720		625.50	631.12	
Do.....	do	Nov. 22, 1904			840				
Do.....	Stock examiner.	Apr. 16, 1905			900				
Chas. H. Robinson.....	Tagger.	Oct. 1, 1902			720		565.50	415.68	
Do.....	do	Nov. 22, 1904			840				
Do.....	Stock examiner.	Apr. 16, 1905			900				
Elias Gilmore.....	Tagger.	Apr. 1, 1904			840		350.00	12.50	
Wm. E. Burrows.....	do	Mar. 23, 1903			720		350.00	229.40	
Do.....	do	Nov. 22, 1904			840				

F. C. Dauncey	do	Oct. 5, 1903	720	613.00	703.95
Do	do	Nov. 22, 1904	840		
Jas. C. Exline	do	July 10, 1902	720	164.00	348.25
Do	do	June 1, 1905	840		
L. W. Morrissey	do	Nov. 10, 1903	720	313.33	391.85
Do	do	Mar. 16, 1905	840		
Do	do	Apr. 26, 1905	720	453.00	483.50
Jean I. Nelson	do	Sept. 26, 1902	720		
Do	do	Nov. 22, 1904	840	613.00	820.00
R. R. Newman	do	Sept. 1, 1903	720		
Do	do	Nov. 22, 1904	840	350.00	142.85
Claude E. Verry	do	Aug. 18, 1902	720		
Do	do	Nov. 22, 1904	840	240.00	
E. T. Allingham	do	Mar. 24, 1904	720	148.00	
Henry Burke	do	July 6, 1903	720	60.00	9.50
Chas. M. Coulter	do	Oct. 1, 1904	720	300.00	234.35
G. T. Creech	do	Jan. 23, 1903	720	634.00	
Elmer E. Evans	do	Aug. 15, 1904	720	22.00	2.55
John H. Folts	do	May 4, 1904	720	240.00	
Wm. Floyd	do	July 11, 1904	720	420.00	370.23
C. F. Harrington	do	July 1, 1904	720	660.00	412.80
C. M. Herbert	do	May 7, 1904	720	60.00	
Wm. H. Hyde	do	Feb. 12, 1904	720	196.00	176.10
Jere C. Leyser	do	Nov. 1, 1901	720	300.00	238.70
Roy C. Livers	do	Aug. 12, 1901	720	60.00	83.75
F. C. O'Rourke	do	Dec. 19, 1901	720	240.00	256.26
John L. Osborn	do	Feb. 7, 1903	720	60.00	
H. R. Schlytter	do	Mar. 22, 1904	720	480.00	
Wm. H. Skinner	do	July 1, 1904	720	300.00	556.55
E. S. Spindler	do	Nov. 4, 1902	720	578.00	
E. H. Tellejohn	do	Sept. 12, 1904	720	216.00	230.05
S. J. Walkley	do	Apr. 25, 1904	720	300.00	264.45
F. R. Washburn	do	Oct. 6, 1898	720	180.00	81.50
Dick E. Warner	do	May 5, 1903	720	300.00	
John H. Webster	do	Mar. 2, 1896	720	718.00	
Isaac H. Wright	do	Apr. 15, 1904	720	416.67	269.75
A. L. Simons	Special agent.	July 11, 1904	1,000	370.00	69.32
Expert investigator		June 15, 1904		850.00	255.00
W. M. Blalock	Special field stock examiner.	Dec. 1, 1904		980.00	294.00
J. P. Brewer	do	Nov. 1, 1904		980.00	294.00
C. E. Carroll	do	do		980.00	294.00
J. E. McCoull	do	do		805.00	241.50
Q. M. Rowley	do	Dec. 16, 1904		775.00	232.50
Jas. P. Stedman	do	do		910.00	273.00
Wm. Stevenson	do	Nov. 17, 1904		645.00	103.50
F. R. Zahl	do	Feb. 1, 1905			
A. D. Melvin					
Geo. A. Harvey, Jr					
S. I. Peterson					
F. D. Ketchum					
				Traveling expenses	1,054.32
				do	76.40
				do	6.85
				do	56.21

a Per month.

[illegible]

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
ANIMAL QUARANTINE STATIONS—continued.									
<i>Athenia, N. J.</i> —Continued.									
Chas. Hubinger						Hardware and dynamite			\$205.71
Campbell, Morrell & Co.						Feed			155.53
R. J. O'Brien & Bros. Co.						do			143.96
Passaic Feed Co.						do			26.90
Thorpe & Co.						Installing telephone			160.00
The New York and New Jersey Telephone Co.						Telephone rental			133.75
Elliott Bros. & Co.						Painting residence			135.00
Biddell & Bogart Painters' Supply Co.						Paints and oils			52.92
A. R. Barton & Co.						Horse lawn mower			66.23
Doremus & Snyder						Metal letters, pipes, etc			61.12
S. M. Birch Lumber Co.						Lumber			22.92
Geo. A. Monington						Stove and pipe			19.65
J. S. Woodhouse						Steel hay rake			19.20
R. W. Burrell						Repairing roof			17.61
M. G. Copeland & Co.						United States flags			6.10
John J. Slater						Recording deeds			3.04
<i>Littleton, Mass.</i>									
Harry F. Hume	Laborer	Aug. 11, 1902			\$720		\$720.00		
Geo. A. Blanchard	do			\$2.50			80.00		
Geo. L. Blanchard	do			2.50			82.50		
John Callahan	do	July 10, 1903		1.50			205.50		
J. F. Ryder						Travel and miscellaneous expenses.		\$54.26	1.25
Herbert J. Harwood						Office rent			250.00
Levi W. Phelps						Lumber			228.79
Wadsworth, Howland & Co.						Oils, paints, and brushes			72.99
Joseph Breck & Sons						Jackscrews			51.40
C. W. Drew						Foundation stone			10.00
Thacher & Ireland						Lime, salt, etc			3.90
Ames Plow Co.						Painting and repairs			2.31

<i>Halethorpe, Md.</i>	Superintendent.....	Mar. 9, 1893		900		Transportation, R. W. Hickman. Office rent.	900.00 10.00	22.50 225.00
						Freight on nails.	.....	.25
							7,850.20	2,768.37
EXPORT CATTLE INSPECTION.								
<i>Baltimore, Md.</i>								
H. A. Hedrick.....	Inspector.....	July 16, 1893		1,600			1,600.00	44.60
Isaac L. Ball.....	Clerk.....	Dec. 1, 1892		1,200			1,200.00	.....
Wm. J. Sullivan.....	Stock examiner	Dec. 16, 1903		900			900.00	.....
Wm. Bennett.....	Tagger.....	Apr. 16, 1893		720			720.00	.....
Jos. E. Blondell.....	do.....	do.....		720			720.00	.....
Chas. Eisenreich.....	do.....	Mar. 15, 1894		720			720.00	.....
H. A. Hedrick.....	do.....					Horse and buggy	.....	10.00
N. Rufus Gill.....	do.....					Office rent.	.....	125.00
Maryland Telegraph and Telephone Co.	do.....					Telephone rental.	.....	48.00
The Chesapeake and Potomac Telephone Co.	do.....					do	.....	37.00
<i>Boston, Mass.</i>								
Jas. F. Ryder.....	Inspector.....	Oct. 1, 1892		2,000			2,000.00	185.48
Thos. W. Carnahan.....	do.....	Apr. 1, 1903		1,500			250.00	.....
P. H. Mullooney.....	do.....	do.....		1,500			1,500.00	26.70
Harry Q. Thompson.....	do.....	do.....		1,500			125.00	.....
Thomas Coyle.....	Vessel inspector.	May 1, 1903		1,400			1,400.00	32.73
Cyrus K. Small.....	Clerk.....	Feb. 15, 1903		1,200			1,200.00	.....
Geo. D. Warner.....	Stock examiner.	July 1, 1898		900			300.00	.....
Do.....	Field stock examiner.	Jan. 1, 1905		1,000			150.00	.....
Frank P. Nowlan.....	Stock examiner.	May 1, 1903		900			513.50	.....
C. B. Hutchinson.....	Tagger.....	Mar. 1, 1900		720			718.00	.....
Do.....	Stock examiner	Apr. 16, 1905		900			720.00	.....
L. L. Bullard.....	Tagger.....	Mar. 1, 1892		720			720.00	.....
F. H. Burleigh.....	do.....	Sept. 28, 1891		720			.....	.....
Walter H. Hersey.....	do.....	Oct. 23, 1899		720			.....	180.00
J. F. Ryder.....	do.....					Horse and buggy	.....	300.00
Trustees of the Oliver Building.	do.....					Office rent.	.....	.....
New England Telegraph and Telephone Co.	do.....					Telephone rental.	.....	61.95
Hooper, Lewis & Co.....	do.....					Stationery.	.....	6.83
Marine O. & T. Supply Co.	do.....					Towel service.	.....	4.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
EXPORT CATTLE INSPECTION— continued.									
Buffalo, N. Y.									
B. P. Wende.	Inspector.	Apr. 15, 1903			\$1,600		\$1,600.00		\$6.65
W. N. D. Bird.	do.	Jan. 1, 1904			1,500		125.00		
Benj. Howes.	do.	Apr. 15, 1903			1,500		125.00		
Jno. P. O'Leary.	do.	do.			1,500		1,500.00		
L. A. Robinson.	do.	do.			1,500		250.00		
H. R. Ryder.	do.	July 15, 1902			1,400		358.33		
do.	do.	Apr. 16, 1905			1,500				
E. L. Volgenau.	do.	Aug. 1, 1904			1,500		250.00		
C. O. Durfee.	do.	June 15, 1903			1,400		116.67		
Wm. C. Wootton.	do.	Oct. 16, 1904			1,400		233.34		
Albert H. Hoyt.	Clerk.	May 1, 1893			1,000		1,000.00		
U. L. Newton.	Stock examiner.	Nov. 8, 1894			900		225.00		
Chas. W. Pagle, jr.	do.	July 1, 1904			900		900.00		
Geo. M. Dishong.	Tagger.	Dec. 12, 1901			720		180.00		
Geo. E. Waeger.	do.	June 10, 1901			720		528.00		
B. P. Wende.	do.					Horse and buggy	140.00		
E. Buffalo Live Stock Exchange Co.						Office rent.	120.00		
The Bell Telephone Co. of Buffalo.						Telephone rental.		16.52	
Fowler Mfg. Co. (Ltd.)						Towel service.		7.13	
Chicago, Ill.									
James Fleming.	Inspector.	May 1, 1903			1,500		1,500.00		
Max Wolf.	Clerk.	Feb. 1, 1896			1,000		955.55		
Arda Watson.	Live stock agent.	Jan. 1, 1894			900		900.00		
De L. Howard.	Stock examiner.	Feb. 1, 1903			900				
do.	Field stock examiner.				1,000		410.00		
do.	Stock examiner.				900				
Geo. Best.	do.	Jan. 1, 1894			900		825.00		
Jas. J. Duffey.	do.	do.			900		375.00		
Dighton Granger.	do.	June 1, 1898			900		150.00		
Jere. Holland.	do.	Jan. 1, 1903			900		900.00		
Wm. C. Honan.	do.	May 1, 1897			900		225.00		
John F. Kelly.	do.	June 30, 1895			900		825.00		
M. J. Quirk.	do.	Jan. 16, 1895			900		630.00		

Patk. H. Griffin.....	Tagger.....	Feb. 15, 1894.....		720.....	720.00.....		
Morton Hattery.....	do.....	Mar. 2, 1903.....		720.....	360.00.....		
H. C. Johnson.....	do.....	June 17, 1901.....		720.....	180.00.....		
M. M. Murray.....	do.....	Dec. 15, 1893.....		720.....	676.00.....		
Richd. Walsh.....	do.....	June 1, 1894.....		720.....	720.00.....		300.00
Union Stock Yard and Trans- sit Co.						Office rent.....	
<i>New York, N. Y.</i>							
Wm. H. Rose.....	Inspector.....	June 1, 1903.....		2,250.....	2,250.00.....		171.41
Henry Brister.....	do.....	Apr. 15, 1903.....		1,500.....	1,500.00.....		
Thos. Castor.....	do.....	Jan. 1, 1903.....		1,500.....	1,500.00.....		
S. G. Hendron.....	do.....	Nov. 1, 1903.....		1,500.....	1,500.00.....		
Jas. Flannery.....	Vessel inspector.....	Feb. 1, 1900.....		1,200.....	1,200.00.....		
J. P. McNulty.....	Clerk.....	Sept. 1, 1893.....		1,200.....	1,200.00.....		
S. Royden Burch.....	Special agent.....	June 9, 1902.....		1,000.....	1,000.00.....		
Wm. Foley.....	Stock examiner.....	Jan. 1, 1894.....		1,000.....	1,000.00.....		
Chas. F. Cramer.....	do.....	Oct. 1, 1901.....		900.....	900.00.....		
Geo. Messmer.....	do.....	Jan. 16, 1904.....		900.....	900.00.....		
Geo. E. Schumacher.....	do.....	Jan. 1, 1904.....		900.....	900.00.....		
Guy A. Sharp.....	do.....	do.....		900.....	900.00.....	Office rent.....	250.00
Estate of Isabella P. Hunne- well.....	do.....	do.....				do.....	250.00
New York Telephone Co.....						Telephone service.....	105.90
Wedawken Stock Yard Co.....						do.....	44.25
New York and New Jersey Telephone Co.						do.....	31.25
<i>Philadelphia, Pa.</i>							
George Carter.....	Vessel inspector.....	Feb. 1, 1900.....		1,200.....	1,200.00.....		
John Behl.....	Laborer.....	Feb. 15, 1901.....	\$2.00		98.00.....		
Wm. J. Haughey.....	do.....	Aug. 22, 1896.....	2.00		4.00.....		
Chas. A. Schaufel.....	do.....	do.....				Horse and buggy Office expenses.....	140.00
Do.....	do.....	do.....				Telephone rental.....	71.92
The Bell Telephone Company of Philadelphia.							56.00
<i>Pittsburg, Pa.</i>							
F. W. Ainsworth.....	Inspector.....	Apr. 1, 1903.....		1,500.....	1,491.67.....		15.20
W. O. McHugh.....	Assistant inspector.....	May 10, 1902.....		1,200.....	200.00.....		
H. L. Bollinger.....	Stock examiner.....	Apr. 15, 1903.....		900.....	750.00.....		
R. W. Culbert.....	Tagger.....	Sept. 18, 1903.....		720.....	60.00.....		
Pittsburg Union Stock Yards Co.						Office rent.....	90.00
<i>Norfolk, Va.</i>							
Geo. C. Faville.....	Inspector.....	Feb. 1, 1899.....		1,600.....	1,600.00.....		66.25
Sol Miller.....	Stock examiner.....	May 1, 1894.....		1,000.....	975.01.....		
Walter E. Stoner.....	do.....	Oct. 1, 1901.....		900.....	900.00.....		
T. F. Rogers, agent.....						Office rent.....	210.00

Canadian inspection.

[illegible]

Inspections in Great Britain.

Toole A. Geddes.....	Special inspector.....	June 1, 1903.....	2,500.....	Traveling and miscellaneous expenses.	2,500.00.....	12.50.....
Do.....					646.19.....	
					13,931.44.....	12.50.....
MEAT INSPECTION.						

MEAT INSPECTION.

Chicago, Ill.

Inspector	Oct. 1, 1903	2,500	2,500.00
O. E. Dyson	Oct. 1, 1903	2,500	2,500.00
S. W. Burt	Dec. 1, 1903	1,800	1,800.00
Morris Wooden	Mar. 16, 1899	1,800	1,800.00
O. J. Lamigan	Jan. 16, 1897	1,600	1,600.00
John C. Milnes	May 24, 1901	1,600	1,008.88
Wm. H. Smith, jr	Dec. 1, 1903	1,600	1,600.00
Ira K. Acherton	Oct. 1, 1903	1,500	1,500.00
O. G. Atherton	do	1,500	1,500.00
Wm. A. Bruette	do	1,500	1,445.83
Herman Busman	Nov. 1, 1903	1,500	1,500.00
Enos Day	Apr. 1, 1903	1,500	250.00
			4.85

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—cont'd.								
Chicago, Ill.—Continued.								
J. G. Fish.	Inspector.	Oct. 1, 1903			\$1,500		\$125.00	
H. W. Hawley.	do.	do.			1,500		1,500.00	
James G. Hope.	do.	Feb. 1, 1904			1,500		1,500.00	
Geo. A. Lytle.	do.	Nov. 1, 1903			1,500		1,500.00	
M. T. Naughton.	do.	Feb. 1, 1904			1,500		1,500.00	
Don W. Patton.	do.	Oct. 1, 1903			1,500		1,445.83	
H. D. Paxson.	do.	May 1, 1903			1,500		125.00	
W. C. Siegmund.	do.	do.			1,500		1,500.00	
E. L. Siggins.	do.	Apr. 1, 1904			1,500		1,500.00	
Frank S. Tufts.	do.	May 1, 1903			1,500		1,500.00	
Henry E. Brown.	do.	Apr. 1, 1903			1,400		1,500.00	
do.	do.	May 16, 1905			1,500		1,175.28	\$15.50
S. H. Caldwell.	do.	Jan. 1, 1904			1,400		1,400.00	7.35
A. M. Casper.	do.	Jan. 1, 1905			1,400		1,362.21	
do.	do.	May 1, 1905			1,500			
Joel E. Cloud.	do.	Dec. 16, 1903			1,400		1,400.00	
H. H. Cohenour.	do.	June 1, 1904			1,400		482.21	
W. I. Dillingham.	do.	June 15, 1903			1,400		781.67	3.75
R. F. Eagle.	Assistant inspector.	June 10, 1901			1,200		423.89	
do.	Inspector.	Sept. 1, 1904			1,400			
Hazen H. Hicks.	do.	Dec. 16, 1903			1,400		1,050.00	
D. S. Kanstoroom.	Assistant inspector.	Aug. 20, 1901			1,200		1,358.90	
do.	Inspector.	Sept. 1, 1904			1,400			
Jens Madsen.	Assistant inspector.	Aug. 23, 1901			1,200		1,366.67	
do.	Inspector.	Sept. 1, 1904			1,400			
John W. Montague.	do.	Apr. 1, 1904			1,400		1,400.00	9.75
Chas. B. Potter.	do.	Dec. 16, 1903			1,400		116.66	
Thomas L. Rice.	do.	Mar. 1, 1901			1,400		513.33	
John M. Simpson.	do.	May 23, 1901			1,200		66.67	
do.	Assistant inspector.	Aug. 1, 1904			1,400			
Inspector.	Assistant inspector.	Dec. 5, 1902			1,200		1,250.00	
W. B. Trenbeth.	Inspector.	Sept. 1, 1904			1,400			
do.	do.	Apr. 1, 1904			1,400		1,400.00	
Alex. C. Walls.	Assistant inspector.	Mar. 4, 1905			1,200		356.67	
Wm. M. Balmer.	do.	Nov. 26, 1904			1,200		716.67	
E. H. Baumann.	do.	June 1, 1904			1,200		63.33	
C. H. Behler.	do.	do.						

J. S. Berner	do.	Nov. 27, 1903	June 30, 1905	1, 200	1, 200.00	1, 200
P. J. Brady	do.	May 16, 1904		1, 200	300.00	6.20
J. C. Burneson	do.	Oct. 1, 1902		1, 200	1, 200.00	
Arton K. Dean	do.	May 15, 1905		1, 200	96.67	
Geo. E. Frye	do.	July 1, 1903	Oct. 31, 1904	1, 200	45.00	
Floyd A. Gibbs	do.	Mar. 14, 1904	June 30, 1905	1, 200	1, 200.00	
Hannes Hela	do.	Jan. 22, 1903		1, 200	200.00	
J. J. L. Holding	do.	Dec. 7, 1903		1, 200	60.00	
E. P. Henderson	do.	May 7, 1904		1, 200	1, 200.00	
Fred E. Johnson	do.	Apr. 27, 1904		1, 200	300.00	
Carl A. Johnston	do.	July 22, 1904		1, 200	233.33	
Philip K. Jones	do.	Apr. 28, 1904		1, 200	600.00	
Louis H. Kraus	do.	Mar. 16, 1903	Nov. 30, 1904	1, 200	10.60	
Albert H. Logan	do.	Mar. 2, 1903		1, 200	32.35	
Alfred E. Luks	do.	Jan. 22, 1903		1, 200	1, 200.00	
Wm. J. Muldoun	do.	Dec. 15, 1902		1, 200	1, 156.68	
R. M. Mullings	do.	Sept. 10, 1904	Jan. 17, 1905	1, 200	130.00	
Geo. M. Otis	do.	June 15, 1903		1, 200	1, 200.00	12.50
Arthur Paul	do.	July 1, 1904		1, 200	300.00	
C. R. Perkins	do.	Aug. 8, 1904		1, 200	1, 080.00	
Chas. A. Ragué	do.	Dec. 15, 1902		1, 200	1, 200.00	
W. Schumacher	do.	May 1, 1903		1, 200	400.00	
Geo. A. Scott	do.	Feb. 12, 1903	July 3, 1904	1, 200	93.33	
Jasper J. Smart	do.	July 12, 1904		1, 200	1, 166.67	
Fredk. Stehle	do.	Sept. 1, 1903	June 30, 1905	1, 200	1, 200.00	
Billa D. Way	do.	Nov. 27, 1903	do.	1, 200	1, 200.00	
Herman Wellner	do.	June 1, 1904		1, 200	1, 200.00	
Wm. L. West	do.	Aug. 5, 1901		1, 200	100.00	
John M. Young	do.	Sept. 7, 1904		1, 200	980.00	
W. Arthur Young	do.	Nov. 26, 1904		1, 200	446.67	
Alaine Hostetler	Clerk	Aug. 10, 1903		1, 000	1, 097.78	
Do.	do.	Jan. 11, 1905		1, 200		
Horace G. Arnold	do.	Aug. 10, 1903	July 25, 1904	1, 000	69.44	
J. N. Fitzgerald	do.	do.		1, 000	638.91	
E. B. Ince	do.	Feb. 1, 1896		1, 000	333.33	
J. J. O'Malley	do.	Aug. 15, 1901		1, 000	1, 000.00	
Chas. S. Pew	do.	Dec. 15, 1893		1, 000	1, 000.00	
Chas. W. Philpot	do.	July 21, 1899		1, 000	1, 000.00	
S. H. Tourtelotte	do.	Jan. 10, 1898		1, 000	1, 000.00	
Jacob K. Skinner	do.	June 1, 1897		900	900.00	
Norman R. Adams	Field stock examiner	May 1, 1904		1, 000	205.00	13.50
Do.	Stock examiner	Dec. 16, 1904		900		
E. W. Barthold	do.	July 1, 1902	Oct. 19, 1904	900	380.00	
George Best	do.	Jan. 1, 1894		900	75.00	
Clark C. Bone	do.	June 1, 1898		900	897.50	
R. A. Broadhurst	do.	Feb. 1, 1901		900	900.00	
H. G. Burdick	do.	Jan. 8, 1894		900	900.00	
John L. Burgess	do.	Feb. 15, 1903		900	300.00	
John W. Burton	do.	June 1, 1903		900	900.00	
Thomas G. Clark	do.	Jan. 1, 1894		900	900.00	
James J. Dufley	do.	do.		900	525.00	
David S. Farley	do.	Apr. 6, 1899		900	900.00	

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
Chicago, Ill.—Continued.									
A. L. Fauce.	Stock examiner.	Mar. 16, 1901			\$900		\$267.50		
Frank J. Foss.	do.	June 1, 1903			900		507.50		
David Frisch.	do.	Jan. 1, 1894			900		872.50		
Thomas R. Fugit.	do.	May 1, 1899			900		900.00		
James Gardner.	do.	June 27, 1895			900		900.00		
John J. Garity.	Tagger.	Sept. 1, 1893			720		840.00		
Do.	do.	Nov. 1, 1904			900				
Dighton Grainger.	Stock examiner.	June 1, 1898			900		750.00		
Geo. T. Hanton.	do.	June 27, 1895			900		900.00		
Wm. Harpst.	do.	do.			900		900.00		
Jas. Herriman.	do.	Feb. 1, 1901			900		900.00		
F. P. Herron.	do.	May 16, 1904			900		900.00		
Wm. P. Hickey.	do.	Feb. 15, 1894			900		900.00		
De L. Howard.	do.	Feb. 1, 1903			900		37.50	\$21.25	
Dennis Hurley.	do.	Aug. 1, 1895	Sept. 30, 1904		900		212.50		
Geo. E. Jagna.	do.	July 16, 1903			900		900.00		
Thomas H. Jones.	do.	May 16, 1904			900		267.50		
Jos. F. Jordan.	do.	Jan. 1, 1894			900		900.00		
John F. Kelly.	do.	June 30, 1895			900		75.00		
Julius Kidder.	do.	Sept. 1, 1898			900		900.00		
E. Koetanowski.	do.	Jan. 1, 1894			900		900.00		
Otho D. Kortz.	do.	June 27, 1895	June 12, 1905		900		765.00		
Geo. Lumban.	do.	Jan. 1, 1894	Mar. 2, 1905		900		600.00		
Richd. E. Lyman.	do.	Apr. 23, 1894			900		900.00		
James McDonald.	Tagger.	May 1, 1902			720				
Do.	do.	Nov. 1, 1904			900		840.00		
A. J. McFarland.	Stock examiner.	May 16, 1904			900		900.00		
Abraham M. Manny.	do.	July 27, 1897			900		805.00		
J. J. Molloy.	do.	June 27, 1895			900		900.00		
Jas. A. Murphy.	do.	Jan. 1, 1894			900		900.00		
John Murphy.	do.	Feb. 15, 1894			900		900.00		
Terence O'Brien.	do.	do.			900		900.00		
Thos. O'Shaughnessy.	do.	do.			900		640.00		
W. S. Pidcock.	Field stock examiner.	May 1, 1904	Mar. 16, 1905		1,000		525.00		
Do.	do.	Dec. 1, 1904			900				
John J. Ryan.	Stock examiner.	Jan. 1, 1894			900		900.00		

J. W. Sarsfield.....	do.	Field stock examiner.	do.	Apr. 1, 1905	900	899.17	10.00
Do.....	do.	Stock examiner.	do.	Apr. 16, 1905	900		
Casper J. Schmitt.....	do.	do.	do.	Feb. 1, 1903	900	900.00	
Frank Schroeder.....	do.	do.	do.	June 27, 1895	900	900.00	
Alvin R. Scott.....	do.	do.	do.	May 16, 1904	900	900.00	
Jas. R. Simpson.....	do.	do.	do.	Nov. 1, 1904	900	375.00	
Sam'l T. Smith.....	do.	do.	do.	Jan. 16, 1894	900	900.00	
John P. Somers.....	do.	do.	do.	Jan. 1, 1899	900	900.00	
Thos. J. Wade.....	do.	do.	do.	July 1, 1896	900	900.00	
F. D. Waterman.....	do.	do.	do.	Jan. 15, 1896	900	885.00	
H. B. Weller.....	do.	do.	do.	Feb. 1, 1896	900	900.00	
Thos. A. White.....	do.	do.	do.	June 1, 1904	900	900.00	
H. D. Williams.....	do.	do.	do.	June 27, 1895	900	877.50	
George W. Wood.....	do.	do.	do.	Nov. 1, 1895	900	900.00	
Theo. B. Zuendel.....	do.	do.	do.	Feb. 23, 1903	720	320.00	
Virgil L. Brown.....	Tagger	do.	do.	Oct. 9, 1903	720	122.00	
L. A. Cambridge.....	do.	do.	do.	Sept. 2, 1904	720	540.00	
P. W. Campbell.....	do.	do.	do.	Oct. 1, 1904	720	190.00	
Geo. T. Casper.....	do.	do.	do.	Mar. 19, 1902	720	720.00	
Wm. D. Clark.....	do.	do.	do.	Oct. 1, 1897	720	320.00	
Wm. Cleveland.....	do.	do.	do.	Jan. 1, 1892	720	156.00	
Gilbert T. Creech.....	do.	do.	do.	Jan. 23, 1903	720	480.00	9.85
Robert W. Culbert.....	do.	do.	do.	Sept. 18, 1903	720	716.00	
H. H. Dalzell.....	do.	do.	do.	May 10, 1904	720	720.00	
Wm. E. Danaher.....	do.	do.	do.	Nov. 10, 1899	720	720.00	
John A. Elliott.....	do.	do.	do.	Aug. 8, 1904	720	420.00	8.10
Jas. A. Flanagan.....	do.	do.	do.	May 23, 1895	720	720.00	
James Foley.....	do.	do.	do.	July 17, 1893	720	720.00	
John H. Folts.....	do.	do.	do.	May 4, 1904	720	390.00	
Reuben Forbes.....	do.	do.	do.	Aug. 1, 1897	720	56.00	
Albert W. Ford.....	do.	do.	do.	Nov. 10, 1899	720	702.00	
Wm. Fox.....	do.	do.	do.	Feb. 1, 1894	720	720.00	
Walter C. Frick.....	do.	do.	do.	July 5, 1902	720	716.00	
Edw. R. Graham.....	do.	do.	do.	Nov. 7, 1902	720		
Do.....	do.	do.	do.	Nov. 1, 1905	900	765.00	
A. C. Griesheimer.....	do.	do.	do.	Apr. 1, 1905	900	128.00	
Harry Halbisch.....	Tagger	do.	do.	Nov. 9, 1904	720	720.00	
Thomas Hansen.....	do.	do.	do.	Aug. 10, 1903	720		
Do.....	do.	do.	do.	May 16, 1893	720		
Do.....	do.	do.	do.	May 16, 1905	900	742.50	
Edw. A. Harper.....	Stock examiner.	do.	do.	May 5, 1903	720	720.00	
C. F. Harrington.....	Tagger	do.	do.	May 5, 1903	720	294.00	9.90
Morton Hattery.....	do.	do.	do.	July 1, 1904	720	170.00	3.95
Frank A. Healy.....	do.	do.	do.	Mar. 2, 1903	720		
Do.....	do.	do.	do.	Nov. 10, 1899	720	750.00	
Do.....	do.	do.	do.	May 4, 1903	900		
H. V. Heatley, jr.....	Stock examiner.	do.	do.	Mar. 16, 1903	720	290.00	
Paul C. Henry.....	Tagger	do.	do.	Mar. 14, 1904	720	480.00	4.75
Clay M. Herbert.....	do.	do.	do.	May 7, 1904	720	60.00	
Wm. H. Hill.....	do.	do.	do.	May 1, 1904	720	48.00	
Artemus Irving.....	do.	do.	do.	Dec. 1, 1904	720		
Do.....	do.	do.	do.	Nov. 25, 1902	720	765.00	
Do.....	do.	do.	do.	Apr. 1, 1905	900		
Herman Jacobus.....	Stock examiner.	do.	do.	June 27, 1895	720	240.00	
Do.....	Tagger	do.	do.		720		

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.	
MEAT INSPECTION—cont'd.										
Chicago, Ill.—Continued.										
Jos. S. Jenison.....	Tagger.....	Jan. 8, 1904			\$720			\$420.00	\$15.80	
H. C. Johnson.....	do.....	June 17, 1901			720					
Do.....	Stock examiner	Apr. 1, 1905			900			585.00		
Wm. J. Keleher.....	Tagger.....	Dec. 1, 1904			720			420.00		
John W. Leary.....	do.....	Feb. 2, 1903			720			600.00	6.60	
Jacob Leisman.....	do.....	May 16, 1893			720			720.00		
O. E. Lindburg.....	do.....	Sept. 1, 1902			720			180.00		
Fred Loman.....	do.....	Oct. 5, 1903			720			719.00		
Edw. G. Long.....	do.....	Feb. 9, 1903			720			720.00		
Danl. Lynch.....	do.....	Aug. 15, 1893			720			720.00		
Do.....	do.....	Apr. 28, 1902			720					
John H. McClure.....	do.....	May 1, 1905			900			540.00		
Do.....	Stock examiner	June 27, 1895			720			668.00		
Wm. McKay.....	Tagger.....	Sept. 14, 1903			720			720.00		
Chas. McKinstry.....	do.....	Sept. 15, 1893			720			720.00		
Michl. Metzger.....	do.....	Apr. 20, 1904			720			300.00		
Geo. W. Meyers.....	do.....	Mar. 16, 1903			720			720.00		
Geo. W. Neff.....	do.....	May 1, 1903			720			222.00		
C. L. Norris.....	do.....	May 5, 1904			720			240.00		
Frank W. Orme.....	do.....	Dec. 1, 1904			720			420.00		
A. D. Payne.....	do.....	Sept. 25, 1903			720			566.00		
S. P. Peterson.....	do.....	Apr. 1, 1905			720			180.00		
J. C. Porterfield.....	do.....	Oct. 9, 1903			720			600.00		
John Potts.....	do.....	Apr. 15, 1905			720			102.00	11.85	
H. B. Raffensperger.....	do.....	Sept. 12, 1904			720			578.00		
Edw. S. Roberts.....	do.....	Mar. 22, 1904			720			660.00		
H. R. Schlyter.....	do.....	Dec. 2, 1895			720			720.00		
I. Shortridge.....	do.....	Oct. 9, 1903			720			432.00		
Harry A. Smith.....	do.....	Oct. 15, 1900			720			720.00		
Thomas M. Smith.....	do.....	Mar. 12, 1903		Oct. 10, 1904	720			198.00		
J. E. Stansbury.....	do.....	Sept. 19, 1904			720			84.00		
Danl. D. Tierney.....	do.....	Dec. 1, 1892			720			630.00		
J. E. Troughton.....	do.....	Apr. 25, 1904			720			672.00		
Albert J. Turner.....	do.....	do.....			720			544.00	8.00	
S. J. Walkley.....	do.....	May 16, 1893			720			720.00		
Walter Walsh.....	do.....	Oct. 6, 1898			720			180.00		
F. R. Washburn.....	do.....	Sept. 18, 1900			720			352.50		
W. D. Mills.....	Laborer.....				\$2.50					

do.	Sept. 1, 1896	2.00	624.00	
Hiram Grable.			Traveling expenses.	2.85
Boyd Baldwin.			Transportation, Sarsfield	42.50
Oregon Short Line R. R.			Transportation, Howard	42.50
Co.				
Chicago, Burlington and			Transportation, Adams and	41.55
Quincy Rwy. Co.			Pidcock.	
The Pennsylvania R. R. Co.			Transportation, Culbert and	34.00
			Montague.	
Boston and Maine R. R.			Transportation, Brown and	40.00
			Jenison.	
Chicago, Milwaukee and St.			Transportation, Forbes, Bur-	51.45
Paul Rwy. Co.			ges, et al.	
Great Northern Rwy. Co.			Transportation, Eagle and	36.96
			Cohenour.	
Chicago and North Western			Transportation, Day and	30.75
Rwy. Co.			Walkley.	
Chicago, Rock Island and			Transportation, Dillingham.	29.50
Pacific Rwy. Co.				
New York Central and Hud-			Transportation, Kraus.	20.00
son River R. R. Co.				
Illinois Central R. R. Co.			Transportation, Brady and	20.25
			Leary.	
The Wabash R. R. Co.			Transportation, Hattery.	7.50
Chicago and Eastern Illinois			Transportation, Elliott.	7.50
R. R. Co.				
The Chicago and Alton Rwy.			Transportation, Henry.	7.25
Union Stock Yards and			Office rent.	
Transit Co.				\$1,307.30
J. B. Sine.			Horse and buggy.	360.00
S. W. Burt.			Saddle horse.	300.00
O. E. Dyson.			do.	175.00
Do.			Office expenses.	76.51
Chicago Telephone Co.			Telephone rental.	205.00
Mary Abbott.			Janitor service.	98.25
Transit House Stores.			Coal.	39.35
The Consumers' Co.			"Hydrex" water.	27.38
Stock Yards Hardware and			Hardware and paints.	26.37
Paint Co.				
W. Cary Lewis & Co.			Stationery.	26.80
Rockwell-Barnes Co.			do.	9.75
Fay-Sholes Co.			do.	4.80
E. F. Goodall.			Record book.	5.75
Hibbard, Spencer, Bartlett			Clippers.	4.80
& Co.				
R. G. Bolch.			Repairing clocks.	2.50
Underwood Typewriter Co.			Adjusting typewriter.	.50
Kansas City, Kans. and Mo.				
Inspector.				
Sam'l. E. Bennett.	Oct. 1, 1901	2,000		2,000.00
Thos. J. Turner.	Sept. 1, 1901	1,600		266.66
do.				

John Keppel.....	do	Sept. 17, 1902	June 30, 1905	1,200	1,000.00	1,000.00
D. C. Langford.....	do	Oct. 1, 1904	.....	1,200	806.67	806.67
Lewis A. Licking.....	do	Aug. 13, 1904	.....	1,200	763.33	763.33
Milton C. Lint.....	do	July 1, 1903	.....	1,200	1,200.00	1,200.00
Chas. M. Morgan.....	do	Mar. 14, 1903	June 30, 1905	1,200	1,186.67	1,186.67
R. M. Mullings.....	do	Sept. 10, 1904	Jan. 17, 1905	1,200	1,130.00	1,130.00
Edwin P. Niles.....	do	Aug. 1, 1902	.....	1,200	1,200.00	1,200.00
John P. O'Connor.....	do	Dec. 18, 1903	.....	1,200	13.25	13.25
Lewis I. Palmer.....	do	Sept. 1, 1903	June 30, 1905	1,200	1,196.67	1,196.67
C. A. Parkinson, Jr.....	do	May 1, 1905	.....	1,200	200.00	200.00
George E. Repp.....	do	Nov. 9, 1904	.....	1,200	773.33	773.33
H. I. Richmond.....	do	May 1, 1902	.....	1,200	550.00	550.00
M. A. Sappington.....	do	May 1, 1905	.....	1,200	400.00	400.00
H. M. Schultz.....	do	Sept. 7, 1904	Mar. 15, 1905	1,200	610.00	610.00
Jos. O. Simcoke.....	do	Sept. 21, 1904	.....	1,200	916.66	916.66
S. H. Stephens.....	do	Oct. 1, 1904	June 30, 1905	1,200	873.34	873.34
O. A. Stingley.....	do	Sept. 10, 1902	.....	1,200	1,050.00	1,050.00
Edgar N. Stout.....	do	Sept. 15, 1902	.....	1,200	46.67	46.67
Fred. W. Weston.....	do	Aug. 8, 1903	.....	1,200	56.67	56.67
Frank I. Winant.....	do	June 1, 1902	.....	1,200	1,200.00	1,200.00
Hiram G. Herriek.....	Clerk	Nov. 15, 1900	.....	900	900.00	900.00
I. N. Vance.....	do	Feb. 1, 1896	.....	900	900.00	900.00
Geo. D. Young.....	do	Nov. 15, 1900	.....	900	900.00	900.00
Charles Adams.....	do	May 1, 1896	.....	900	900.00	900.00
Joseph G. Beattie.....	Stock examiner	July 1, 1902	.....	900	422.50	422.50
E. W. Bell.....	do	May 1, 1896	.....	900	900.00	900.00
C. E. Blackmar.....	do	Feb. 1, 1898	.....	900	675.00	675.00
Geo. W. Bromell.....	do	May 1, 1904	.....	900	900.00	900.00
Edw. A. Bundy.....	do	Feb. 1, 1901	.....	900	260.00	260.00
Wm. Burgess.....	do	May 1, 1896	.....	900	900.00	900.00
Geo. E. Butin.....	do	May 16, 1904	.....	900	872.50	872.50
Oliver W. Byrd.....	Field stock examiner	Aug. 15, 1904	.....	1,000	635.00	635.00
Do.....	Stock examiner	Dec. 1, 1904	.....	900	3.50	3.50
Earl C. Cannon.....	do	July 1, 1904	.....	900	900.00	900.00
Geo. T. Cathel.....	do	Feb. 12, 1894	.....	900	6.00	6.00
Chas. C. Conley.....	do	May 1, 1904	.....	900	897.50	897.50
Bern'd Cunningham.....	do	Aug. 15, 1902	.....	900	372.50	372.50
Mar't. A. Farley.....	do	Sept. 15, 1903	.....	900	900.00	900.00
Josiah D. Flora.....	do	May 16, 1895	.....	900	900.00	900.00
Geo. A. Franklin.....	do	June 17, 1895	.....	900	900.00	900.00
H. D. Freeman.....	Field stock examiner	Sept. 17, 1904	.....	1,000	580.00	580.00
Do.....	Stock examiner	Jan. 15, 1905	.....	900	13.50	13.50
Albert Fowkes.....	do	June 6, 1903	.....	900	900.00	900.00
Moses W. Games.....	Clerk	May 15, 1903	.....	900	897.50	897.50
Do.....	Stock examiner	Aug. 1, 1904	.....	900	900.00	900.00
Wm. B. Garlick.....	do	June 1, 1902	.....	900	900.00	900.00
Washington Gobble.....	Field stock examiner	Sept. 16, 1904	.....	1,000	637.50	637.50
Do.....	Stock examiner	Jan. 1, 1905	.....	900	4.75	4.75
Frank Jelen.....	do	Apr. 1, 1895	.....	900	680.00	680.00
Thos. A. McLeland.....	do	Oct. 1, 1900	.....	900	805.00	805.00
M. J. Madden.....	do	May 1, 1896	.....	900	900.00	900.00
Porter J. Morgan.....	do	May 7, 1894	.....	900	872.50	872.50

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
Kansas City, Kans. and Mo.—									
Continued.									
Henry Morley.....	Stock examiner	Oct. 1, 1900	.....	.....	\$900	.....	\$900.00	.....	.....
Thos. Noonan.....	Tagger	Aug. 26, 1901	.....	.....	720	.....	877.50	.....	.....
Do.....	Stock examiner	Aug. 16, 1904	.....	.....	900	.....	.....	.....	.....
Thos. B. Rea.....	do	May 24, 1900	.....	.....	900	.....	187.50	.....	.....
Do.....	Field stock examiner	Sept. 16, 1904	.....	.....	1,000	.....	.....	.....	.....
J. H. Richardson.....	Stock examiner	May 3, 1894	.....	.....	900	.....	900.00	.....	.....
Geo. H. Robinson.....	do	Apr. 15, 1903	.....	.....	900	.....	265.00	.....	.....
Chas. W. Rowse.....	do	Nov. 11, 1895	.....	.....	900	.....	900.00	.....	.....
Wm. H. Saunders.....	do	Feb. 1, 1901	.....	.....	900	.....	900.00	.....	.....
J. W. Shannon.....	do	June 6, 1903	.....	.....	900	.....	890.00	.....	.....
Henry Singleton.....	Field stock examiner	Apr. 1, 1904	.....	.....	1,000	.....	.....	.....	.....
Do.....	Stock examiner	Jan. 1, 1905	.....	.....	900	.....	150.00	\$22.10	.....
A. E. Wagner.....	do	May 1, 1894	.....	.....	900	.....	75.00	.....	.....
Chas. I. Walsh.....	do	Feb. 1, 1904	.....	.....	900	.....	750.00	.....	.....
Geo. H. Woolfolk.....	do	Mar. 2, 1896	.....	.....	900	.....	857.50	.....	.....
Wm. Yenner.....	do	Feb. 1, 1901	.....	.....	900	.....	47.50	.....	.....
Tagger.....	do	May 5, 1905	.....	.....	720	.....	370.00	3.50	.....
E. T. Allingham.....	do	Mar. 24, 1904	.....	.....	720	.....	356.00	14.10	.....
Geo. F. Babb.....	do	Aug. 12, 1903	.....	.....	720	.....	14.00	.....	.....
D. R. Barnhart.....	do	July 1, 1904	.....	.....	720	.....	88.00	.....	.....
Stephen Bray.....	do	May 18, 1905	.....	.....	720	.....	.....	.....	.....
Anson W. Biggs.....	do	Aug. 1, 1901	.....	.....	720	.....	750.00	.....	.....
Do.....	Stock examiner	May 1, 1905	.....	.....	900	.....	120.00	.....	.....
D. M. Campbell.....	Tagger	.....do	.....	.....	720	.....	118.00	.....	.....
Clifton Carter.....	do	.....do	.....	.....	720	.....	194.00	.....	.....
Harris B. Cook.....	do	Apr. 10, 1903	.....	Oct. 8, 1904	720	.....	750.00	.....	.....
Chas. M. Cooper.....	do	Dec. 15, 1902	.....	.....	720	.....	.....	.....	.....
Do.....	Stock examiner	May 1, 1905	.....	.....	900	.....	720.00	.....	.....
Chas. M. Corbett.....	Tagger	June 15, 1903	.....	.....	720	.....	94.00	.....	.....
Victor F. Croft.....	do	May 15, 1905	.....	.....	720	.....	60.00	.....	.....
Ernest T. Faulder.....	do	June 25, 1904	.....	.....	720	.....	46.00	.....	.....
Edw. K. Glover.....	do	Oct. 8, 1904	.....	.....	720	.....	610.00	.....	.....
John A. Grant.....	do	Mar. 2, 1903	.....	.....	720	.....	720.00	.....	.....
John E. Hart.....	do	Oct. 15, 1897	.....	.....	720	.....	76.00	.....	.....
Jesse H. Hawkins.....	do	Nov. 15, 1904	.....	.....	720	.....	658.00	.....	.....
Jas. R. Haynes.....	do	Sept. 10, 1902	.....	.....	720	.....	.....	.....	.....

Jos. I. Healy	May 7, 1904	June 22, 1905	720	588.00	.....
C. B. Ingalls	Apr. 20, 1904	.....	720	104.00	.....
August Jost	Aug. 18, 1897	.....	720	720.00	.....
E. R. Kerby	Nov. 9, 1904	Nov. 12, 1904	720	8.00	.....
Harrison H. Knox	Nov. 1, 1897	.....	720	720.00	.....
Albert R. Koen	Sept. 12, 1902	.....	720	.....	.....
Do	May 1, 1905	.....	900	\$750.00	.....
Stock examiner	Apr. 21, 1904	.....	720	660.00	.....
Tagger	Nov. 3, 1904	.....	720	460.00	.....
Geo. W. Meyers	Apr. 20, 1904	.....	720	120.00	.....
O. E. G. Olmsted	Feb. 10, 1904	.....	720	745.00	.....
Do	May 1, 1905	.....	900	.....	.....
Stock examiner	Jan. 22, 1894	.....	720	720.00	.....
Tagger	Nov. 1, 1902	.....	720	360.00	.....
Joseph C. Reid	Dec. 1, 1904	.....	720	420.00	.....
L. S. Rohrer	Apr. 20, 1904	Oct. 26, 1904	720	230.00	.....
Howard C. Smith	Aug. 21, 1903	.....	720	720.00	.....
Walter A. Smith	Feb. 7, 1898	.....	720	720.00	.....
Jas. R. Stafford	Aug. 1, 1897	.....	720	718.00	.....
Jas. M. Steel	Nov. 10, 1904	.....	720	462.00	.....
Fredk. P. Travers	Apr. 20, 1904	.....	720	720.00	.....
Oliver P. Trees	May 25, 1905	.....	720	74.00	.....
Harvey L. Waller	May 5, 1903	.....	720	540.00	.....
Dick E. Warner	Jan. 3, 1898	.....	720	720.00	.....
Nelson E. Weaver	May 1, 1905	.....	720	120.00	.....
H. E. Zimmerman	Sept. 1, 1893	.....	600	600.00	.....
Jennie Tunstall	Jan. 10, 1900	.....	600	616.00	.....
Robert Ivers	.....	\$2.00	.....	.....	.....
Union Pacific R. R. Co.	.....	.....	.....	17.00	.....
The Archison, Topeka and Santa Fe Rwy. Co.	.....	.....	.....	135.50	.....
The Pecos Valley and North-eastern Rwy.	.....	.....	.....	46.20	.....
The Chicago and Alton Rwy. Co.	.....	.....	.....	15.00	.....
Chicago, Rock Island and Pacific Rwy. Co.	.....	.....	.....	27.40	.....
The Missouri Pacific Rwy. Co.	.....	.....	.....	15.00	.....
Northern Pacific Rwy. Co.	.....	.....	.....	32.50	.....
Denver and Rio Grande R. R.	.....	.....	.....	24.38	.....
The Kansas City Stock Yards Co. of Missouri.	.....	.....	.....	\$660.00	.....
S. E. Bennett	.....	.....	.....	336.00	.....
H. C. Babcock	.....	.....	.....	28.00	.....
J. R. Stafford	.....	.....	.....	240.00	.....
Missouri and Kansas Telephone Co.	.....	.....	.....	96.00	.....
Armour Packing Co.	.....	.....	.....	36.00	.....
Cudahy Packing Co.	.....	.....	.....	18.00	.....
Fowler Packing Co.	.....	.....	.....	12.00	.....
Nelson Morris & Co.	.....	.....	.....	5.00	.....
Swift & Co.	.....	.....	.....	3.00	.....

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—cont'd.									
<i>Kansas City, Kans. and Mo.—Continued.</i>									
Cutler & Nelson Paint and Color Co.						Paints and oil.			\$44.00
Mendenhall Transfer Co.						Drayage.			20.55
Duff & Repp Furniture Co.						Linoleum.			31.00
Silver Laundry Towel Co.						Towel service.			19.98
F. P. Burnap Stationery & Printing Co.						Ink.			12.00
M. Weinberg.						Repairing chairs.			4.50
<i>Milwaukee, Wis.</i>									
A. E. Behnke.	Inspector.	Sept. 15, 1900			\$1,600		\$1,577.78		
T. T. Greene.	do.	Jan. 1, 1904			1,500		1,437.50		
Herbert M. Smith.	do.	June 1, 1902			1,400		1,483.33		
Do.	do.	Sept. 1, 1904			1,500				
R. E. Cochrane.	Assistant inspector.	Aug. 20, 1901			1,200		1,234.44		
Do.	Inspector.	Sept. 1, 1904			1,400		1,399.99		
Wm. Fotheringham.	do.	Apr. 1, 1904			1,400		408.32		
Isaac N. Kroy.	do.	Jan. 1, 1904			1,200		796.67		
Alfred D. Bullock.	Assistant inspector.	Nov. 1, 1904			1,200		1,143.34		
John F. Roe.	do.	Dec. 15, 1902			1,200		500.00		
George Jerome.	do.	Dec. 1, 1904			1,200		897.50		
C. H. Morse.	Clerk.	Oct. 1, 1894			900		900.00		
Henry Baume.	Stock examiner.	Jan. 1, 1894			900				
Chester J. Curtis.	Tagger.	June 5, 1904			720		877.50		
Do.	Stock examiner.	Aug. 16, 1904			900				
J. J. Eichstaedt.	do.	June 5, 1894			900		900.00		
Christian Hiller.	do.	Mar. 1, 1895			900		900.00		
Thos. C. Murphy.	do.	June 5, 1894			900		662.50		
Clayton E. Moss.	Tagger.	Mar. 1, 1905			720		238.00		
A. E. Behnke.	do.					Horse and buggy.			490.00
Do.						Telephone and towels.			76.83
<i>Eau Claire, Wis.</i>									
Geo. W. Butler.	Inspector.	June 1, 1904			1,500		1,404.17		
Thomas Keppel.	Tagger.	Feb. 1, 1905	May 15, 1905		720		134.00		

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MEAT INSPECTION—cont'd.								
South Omaha, Nebr.—Con.								
Stephen Roberts.....	Stock examiner	July 25, 1898	.....	.....	\$900	.....	\$900.00	.....
Philip Smith.....	do	July 1, 1902	.....	.....	900	.....	900.00	.....
Henry C. Williams.....	do	Feb. 1, 1901	.....	.....	900	.....	75.00	.....
Anton Kostal.....	Tagger	Apr. 1, 1904	.....	.....	840	.....	840.00	.....
Thomas Leddy.....	do	do	.....	.....	840	.....	840.00	.....
Ethan Adams.....	do	Apr. 20, 1904	.....	.....	720	.....	720.00	.....
T. J. Alexander.....	do	Aug. 1, 1897	.....	.....	720	.....	568.00	\$17.45
Iere S. Allen.....	do	May 16, 1904	.....	.....	720	.....	706.00	.....
Rollie J. Archer.....	do	Sept. 8, 1903	.....	.....	720	.....	720.00	.....
Jas. W. Barrett.....	do	Sept. 9, 1903	.....	.....	720	.....	720.00	.....
John T. Blair.....	do	May 1, 1898	.....	.....	720	.....	720.00	.....
Frank L. Boone.....	do	June 10, 1903	.....	.....	720	.....	300.00	8.35
Edw. V. Bowser.....	do	Sept. 20, 1904	.....	.....	720	.....	300.00	2.20
James Condon.....	do	Aug. 4, 1897	.....	.....	720	.....	720.00	.....
Perry Craig.....	do	Apr. 18, 1904	.....	.....	720	.....	720.00	.....
John V. De Laney.....	do	May 5, 1904	.....	.....	720	.....	720.00	.....
Reuben Forbes.....	do	Aug. 1, 1897	.....	.....	720	.....	636.00	.....
Chas. T. Forster.....	do	July 19, 1904	Sept. 11, 1904	.....	720	.....	108.00	.....
Arthur W. Gove.....	do	Sept. 9, 1903	.....	.....	720	.....	720.00	.....
Orlando W. Helvey.....	do	Dec. 1, 1898	Dec. 10, 1904	.....	720	.....	162.00	.....
Fred Heys.....	do	Sept. 19, 1904	.....	.....	720	.....	180.00	.....
Edgar Jackson.....	do	June 15, 1903	.....	.....	720	.....	28.00	.....
Thomas Keppel.....	do	May 16, 1904	.....	.....	720	.....	458.00	.....
Clifton D. Lowe.....	do	Nov. 12, 1904	July 14, 1904	.....	720	.....	462.00	.....
Hayes S. Lytle.....	do	Nov. 10, 1904	.....	.....	720	.....	720.00	.....
John McCann.....	do	June 27, 1895	.....	.....	720	.....	720.00	.....
P. S. McLaughlin.....	do	Sept. 9, 1903	.....	.....	720	.....	180.00	.....
Geo. O. Marshall.....	do	Aug. 15, 1902	.....	.....	720	.....	330.00	9.05
Do.....	do	May 1, 1905	.....	.....	900	.....	.....	.....
Sam'l. H. Miller.....	Stock examiner	Aug. 1, 1904	Sept. 30, 1904	.....	720	.....	116.00	.....
C. A. Milner.....	Tagger	Aug. 1, 1904	.....	.....	720	.....	720.00	.....
Chas. E. Moore.....	do	Sept. 9, 1903	.....	.....	720	.....	540.00	.....
Frank G. Olson.....	do	May 9, 1903	.....	.....	720	.....	74.00	.....
Fredk. C. Overton.....	do	May 25, 1905	.....	.....	720	.....	720.00	.....
John B. Payton.....	do	Sept. 23, 1903	.....	.....	720	.....	720.00	.....
Wm. T. Pritchard.....	do	July 16, 1897	.....	.....	720	.....	236.00	.....
	do	July 22, 1903	Oct. 29, 1904	.....	720	.....	.....	.....

Jas. T. Robertson.....	do	Nov. 1, 1897	720	720.00	.....
L. Schibsy.....	do	Nov. 6, 1893	720	710.00	.....
Geo. H. Schroeder.....	do	Aug. 1, 1898	720	720.00	.....
Harry A. Shatzell.....	do	Aug. 4, 1897	720	720.00	.....
Clyde G. Spencer.....	do	Sept. 6, 1904	720	590.00	.....
C. G. Sutton.....	do	June 12, 1903	720	540.00	.....
H. C. Ulmer.....	do	Sept. 9, 1903	720	712.00	.....
J. F. M. Wolfe.....	do	Dec. 19, 1904	720	376.00	.....
James E. Woolm.....	do	Mar. 1, 1905	720	240.00	.....
James Austin.....	do	July 1, 1901	720	710.00	.....
J. O. Eastman.....	do	July 1, 1897	720	616.00	.....
The Aftelison, Topeka and Santa Fe Rwy. Co.....	do			50.00	.....
The Baltimore and Ohio R. R. Co.....	do			20.10	.....
The Wabash R. R. Co.....	do			11.50	.....
Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do			14.25	.....
Chicago, Burlington and Quincy Rwy. Co.....	do			11.60	.....
Don C. Ayer.....	do				\$180.00
Nebraska Telephone Co.....	do				54.00
Glynn & Smith.....	do				25.50
Frontier Towel Supply Co.....	do				8.38
Stott Stationery Co.....	do				9.20
<i>Cincinnati, Ohio.</i>					
George Ditewig.....	Inspector.	July 1, 1904	1,600	1,595.56	.....
Joseph M. Good.....	do	Apr. 1, 1902	1,400	1,240.56	.....
Arthur C. Hart.....	do	June 1, 1903	1,400	524.99	.....
Andrew Hyde.....	do	Apr. 16, 1904	1,400	700.00	13.40
Edw. K. Ward.....	do	July 1, 1903	1,400	1,400.00	.....
Edw. C. Carle.....	do	July 1, 1904	1,200	1,100.00	.....
Francis B. Drake.....	Assistant inspector	Aug. 1, 1904	1,200	100.00	.....
A. L. Hirlman.....	do	July 1, 1903	1,200	1,200.00	.....
Chas. A. Stewart.....	do	June 9, 1904	1,200	270.00	.....
C. O. Wagoner.....	do	Aug. 8, 1903	1,200	1,200.00	.....
John Hoberg.....	Stock examiner	Feb. 1, 1904	900	900.00	.....
M. J. Ragland.....	do	do	900	900.00	.....
Harvey L. Shale.....	do	do	900	900.00	.....
W. H. Timmons.....	do	June 24, 1901	900	900.00	.....
Wm. M. Burson.....	Clerk	June 1, 1904	840	840.00	.....
Wm. H. Fisher.....	Tagger	June 25, 1903	720	660.00	1.50
Jas. S. Oldham.....	do	Apr. 10, 1901	720	720.00	21.00
New York, New Haven and Hartford R. R. Co.....	do				7.10
Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do				
George Ditewig.....	do				104.97
The Cincinnati Union Stock Yard Co.....	do				180.00

a Per month.

New Telephone Co.	Inspector	Apr. 1, 1903	1,500	1,250.00	do	20.00
Armstrong Laundry	do	June 1, 1904	1,500	875.00	Towel service	6.39
N. C. Sorensen	do	July 15, 1902	1,500	625.00	Office expenses	46.50
<i>Boston, Mass.</i>	do	Oct. 1, 1904	1,500	1,475.00		
Thos. W. Carnahan	do	Apr. 1, 1903	1,500	1,375.00		
Nathan K. Pegley	do	May 1, 1904	1,400	233.33		
Albert Long	do	Oct. 1, 1902	1,400	1,400.00		
F. L. Stevens	do	Dec. 1, 1902	1,400	1,400.00		
H. Q. Thompson	do	Apr. 16, 1904	1,400	1,700.00		
Henry E. Brown	do	June 1, 1904	1,400	1,400.00		
E. A. Crossman	do	Dec. 18, 1902	1,200	1,400.00		
A. C. Fitzpatrick	do	Sept. 1, 1904	1,400	1,366.67		
Dani. S. Hays	do	July 1, 1902	900	900.00		
Andrew Hyde	do	Feb. 1, 1904	900	900.00		
Milton T. Perry	do	June 15, 1903	900	150.00		
Frank P. Sturges	do	May 1, 1904	900	900.00		
Do	do	Dec. 1, 1894	900	900.00		
Henry W. Busted	do	Oct. 1, 1901	900	900.00		
Wm. A. Baldwin	do	May 1, 1903	900	750.00		
W. E. Berry	do	July 1, 1898	1,000	225.00		
Chas. C. Conley	do	Jan. 1, 1905	720	60.00		
Wm. P. Cherrington	do	Aug. 12, 1903	720	720.00		
J. S. Kennelly	do	Sept. 16, 1903	720	258.00		
Frank P. Nowlan	do	Dec. 1, 1904	720	720.00		
George D. Warner	do	June 20, 1901	720	240.00		
Do	do	Mar. 1, 1900	720	720.00		
Geo. F. Babb	do	Feb. 1, 1898	720	720.00		
Edw. J. Burns	do	Jan. 8, 1904	720	300.00		
Thos. F. Dolan	do	Dec. 1, 1904	720	360.00		
John L. Ewing	do	Aug. 12, 1903	720	378.00		
C. B. Hutchinson	do	July 25, 1901	720	720.00		
Jas. G. Jeffrey	do	Sept. 16, 1903	840	840.00		
Jos. S. Jenison	do	do		Traveling expenses	72.25	
D. L. McGrath	do	do		Horse and buggy	360.00	
Terrill J. Ober	do	do		Office expenses	20.41	
Timothy P. White	do	do		Office rent	600.00	
Effie I. Wescott	do	do		Telephone rental	171.39	
P. H. Muldowney	do	do		Stationery	36.69	
J. F. Ryder	do	do		Towel service	8.00	
Do	do	do				
Trustees of the Oliver Building	do	do				
New England Telegraph and Telephone Co.	do	do				
Hooper, Lewis & Co.	do	do				
Marine Office and Towel Supply Co.	do	do				

Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
MEAT INSPECTION—cont'd.										
Buffalo, N. Y.										
Harry M. Ball.	Inspector.	Mar. 1, 1902								
Do.	do.	Oct. 1, 1904			\$1,400		\$725. 00		\$22. 80	
W. N. D. Bird.	do.	Jan. 1, 1904			1,500		1,375. 00			
Benj. Howes.	do.	Apr. 15, 1903			1,500		1,250. 00			
L. A. Robinson.	do.	do.			1,500		875. 00			
H. R. Ryder.	do.	July 15, 1902			1,400		820. 83			
Do.	do.	Apr. 16, 1905			1,500					
E. L. Volgenau.	do.	Oct. 1, 1899			1,400		866. 66			
Do.	do.	Aug. 1, 1904			1,500		150. 00			
C. O. Durfee.	do.	June 15, 1903			1,400		991. 66			
Wm. C. Wootton	Assistant inspector	Oct. 7, 1901			1,200					
Do.	Inspector	Oct. 16, 1904			1,400		900. 00			
Geo. H. Russell.	Clerk.	Jan. 1, 1900			900		855. 00			
Jas. L. McGill.	Tagger.	Jan. 17, 1898			720					
Do.	Stock examiner	Oct. 1, 1904			900					
H. L. Newton.	do.	Nov. 8, 1894			900		675. 00			
Henry L. Rieman.	do.	Feb. 15, 1896			900		900. 00			
Michl. Chojnacki	Tagger.	Apr. 16, 1894			720		720. 00			
Geo. M. Dishong	do.	Dec. 12, 1901			720		330. 00			
Ernest T. Faulder.	do.	June 25, 1904			720		658. 00			
A. G. Gjertson	do.	Dec. 26, 1902			720		720. 00			
Michl. Justinger.	do.	July 1, 1893			720		486. 00			
John Mazurowski.	do.	July 10, 1893			720		544. 00			
Joseph J. Rieman.	do.	June 1, 1905	Apr. 30, 1905		720		60. 00			
Geo. E. Wager.	do.	June 10, 1901			720		180. 00			
James F. Hughes.	do.	May 9, 1898			720		720. 00			
El Paso and Northeastern Rwy. Co.	Laborer.					Transportation, H. M. Ball.			52. 80	
B. P. Wendt.	do.					Horse and buggy				\$400. 00
Do.	do.					Office expenses				19. 33
East Buffalo Live Stock Exchange Co.	do.					Office rent				240. 00
The Bell Telephone Co. of Buffalo.	do.					Telephone rental.				33. 00
Fowler Mfg. Co. (Ltd.)	do.					Towel service.				13. 63
Chas. W. Pagle, jr.	do.					Street-car fares.				5. 70

National Stock Yards, Ill.

Inspector.		Oct. 1, 1902	1,600
Joseph B. Clancy	do.	May 1, 1905	1,800
Do	do.	June 1, 1903	1,500
Robert L. Kelly	do.	June 15, 1903	1,400
Roy E. Jackson	do.	June 1, 1903	1,400.00
W. H. Meadors	do.	June 1, 1903	1,400
S. C. Babson	do.	Aug. 15, 1904	748.34
W. L. Beebe	do.	July 12, 1904	1,200
J. B. Boazman	do.	Sept. 21, 1903	166.67
Patk J. Brady	do.	May 16, 1904	100.00
K. G. Cherrington	do.	Sept. 10, 1903	900.00
W. L. Cohenour	do.	Aug. 15, 1904	1,173.33
Wm. T. Conway	do.	Sept. 1, 1903	1,056.67
John F. Fahey	do.	Apr. 9, 1904	950.00
Wesley M. Goff	do.	Apr. 21, 1904	1,200.00
Ralph Graham	do.	Dec. 28, 1903	1,200
Marvin Gregory	do.	Apr. 1, 1904	1,193.34
Harvey B. Hood	do.	May 5, 1904	1,100.00
Harry J. Hoyman	do.	May 10, 1904	900.00
D. Arthur Hughes	do.	Dec. 18, 1903	500.00
Thomas A. Jones	do.	Apr. 25, 1904	1,200
Walter K. Lewis	do.	June 15, 1903	1,200.00
John H. Lowe	do.	Feb. 9, 1903	1,200.00
W. C. Mitchell	do.	July 23, 1904	1,200.00
Michl. J. Murphy	do.	Nov. 14, 1904	820.00
Arthur Paul	do.	July 1, 1904	746.67
John B. Reidy	do.	Jan. 24, 1903	900.00
R. A. Stephens	do.	July 1, 1904	1,200.00
Reginald Thomas	do.	Jan. 23, 1904	1,200.00
R. H. Thomas	do.	Apr. 15, 1903	400.00
Wm. S. Crawford	Clerk	Jan. 1, 1903	1,200.00
Chas. K. Hartwell	do.	Mar. 15, 1904	1,000
Harry S. Newlove	do.	Oct. 1, 1903	840.00
Do	Stock examiner	Sept. 1, 1904	900
Arthur H. Bibb	Stock examiner	May 1, 1896	525.00
Do	Field stock examiner	Aug. 1, 1904	75.00
Adelbert G. Bibb	Stock examiner	Mar. 1, 1896	900
A. R. Bruton	do.	Feb. 15, 1895	900
Henry M. Edsall	do.	Feb. 1, 1904	900
Wm. T. Flynn	do.	Jan. 1, 1894	900
Thos. H. Jones	do.	May 16, 1904	265.00
Edw. C. Lauek	do.	Sept. 1, 1902	772.50
Matt. O'Keefe	do.	Aug. 1, 1902	212.50
Frank O'Neill	do.	July 18, 1898	900.00
George Sutherland	do.	Nov. 12, 1894	900
Wm. J. Doyle	Tagger	Feb. 15, 1895	900.00
Do	Stock examiner	Mar. 1, 1905	780.00
H. F. R. Workheiser	Tagger	July 20, 1904	900
Do	Stock examiner	Apr. 1, 1905	720
D. R. Barnhart	Tagger	Feb. 28, 1905	900
Aurtis J. Bender	do.	Oct. 8, 1904	720
			1,600
			1,800
			1,500
			1,400
			1,400.00
			1,400
			748.34
			1,200
			166.67
			100.00
			900.00
			1,173.33
			1,056.67
			950.00
			1,200.00
			1,200
			1,193.34
			1,100.00
			900.00
			500.00
			1,200
			1,200.00
			1,200.00
			1,200
			1,200.00
			1,200
			820.00
			746.67
			900.00
			1,200.00
			1,200.00
			400.00
			1,200.00
			1,000
			840.00
			900
			525.00
			75.00
			900
			300.00
			900.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MEAT INSPECTION—cont'd.									
National Stock Yards, Ill.—Continued.									
Clement Bevelot.	Tagger	Dec. 1, 1893	.....	.....	\$720	.....	\$702.00	.....	.....
Jas. W. Bratton.	do.	Feb. 1, 1905	.....	.....	720	.....	300.00	.....	.....
F. A. Botteron.	do.	Sept. 15, 1904	.....	.....	720	.....	572.00	.....	.....
Edwin B. Bowser	do.	Sept. 20, 1904	.....	.....	720	.....	200.00	.....	.....
G. R. Brewer.	do.	May 16, 1904	.....	.....	720	.....	100.00	.....	.....
Wm. C. Bryant.	do.	Dec. 15, 1904	Aug. 23, 1904	.....	720	.....	154.00	.....	.....
Henry Burke.	do.	July 6, 1903	.....	.....	720	.....	212.00	.....	.....
Joseph G. Carr.	do.	Feb. 15, 1895	.....	.....	720	.....	480.00	.....	.....
Frank G. Carraker.	do.	May 10, 1904	.....	.....	720	.....	710.00	.....	.....
Geo. T. Casper.	do.	Mar. 19, 1902	.....	.....	720	.....	180.00	.....	.....
N. G. Cunningham.	do.	Oct. 12, 1904	.....	.....	720	.....	180.00	.....	.....
Chas. S. Edmond.	do.	Oct. 1, 1904	.....	.....	720	.....	458.00	.....	.....
John A. Elliott.	do.	Aug. 8, 1904	.....	.....	720	.....	540.00	.....	.....
I. S. A. Fenstermacher.	do.	Sept. 10, 1904	.....	.....	720	.....	196.00	.....	.....
Wm. Floyd.	do.	July 11, 1904	.....	.....	720	.....	282.00	.....	.....
Geo. K. Grant.	do.	Aug. 20, 1903	.....	.....	720	.....	42.00	.....	.....
Robert Gray.	do.	June 24, 1895	.....	.....	720	.....	298.00	.....	.....
Joseph Hall.	do.	Nov. 12, 1904	.....	.....	720	.....	720.00	.....	.....
Eoline K. Hand.	do.	Aug. 24, 1904	.....	.....	720	.....	458.00	.....	.....
Morton Hattery.	do.	Mar. 2, 1903	.....	.....	720	.....	156.00	.....	.....
J. H. Hawkins.	do.	Nov. 15, 1904	.....	.....	720	.....	240.00	.....	.....
Paul C. Henry.	do.	Mar. 14, 1904	.....	.....	720	.....	180.00	.....	.....
W. S. Hileman.	do.	Apr. 18, 1904	.....	.....	720	.....	240.00	.....	.....
Jas. C. Keys.	do.	Mar. 1, 1904	Feb. 28, 1905	.....	720	.....	480.00	.....	.....
John S. Koen.	do.	Apr. 21, 1904	July 15, 1904	.....	720	.....	30.00	.....	.....
P. U. C. Leachnor.	do.	July 19, 1904	.....	.....	720	.....	60.00	.....	.....
Edw. S. Lentz.	do.	Oct. 20, 1904	Mar. 10, 1905	.....	720	.....	300.00	.....	.....
John E. Potter.	do.	July 2, 1903	.....	.....	720	.....	84.00	\$4.25	.....
H. B. Raftensperger.	do.	Apr. 15, 1905	.....	.....	720	.....	136.00	.....	.....
Geo. W. Rivers.	do.	Aug. 6, 1904	.....	.....	720	.....	28.00	.....	.....
John W. Robbins.	do.	Aug. 15, 1904	.....	.....	720	.....	652.00	.....	.....
Wm. H. Skinner.	do.	Dec. 2, 1901	.....	.....	720	.....	634.00	.....	.....
Alva Snyder.	do.	Oct. 5, 1903	.....	.....	720	.....	120.00	.....	.....
Joseph Sullivan.	do.	Feb. 15, 1895	.....	.....	720	.....	446.00	.....	.....
Flavius Weaver.	do.	Feb. 1, 1905	.....	.....	720	.....	720.00	.....	.....
Albert Willey.	do.	Apr. 6, 1905	.....	.....	720	.....	300.00	.....	.....
							170.00	.....	.....

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—cont'd.									
Fort Worth, Tex.—Continued.									
John W. Snell	Tagger	July 22, 1903			\$720	Transportation, Armstrong.	\$708.00	\$15.30	
Vandalia R. R. Co.						Transportation, Mitchell et al.		38.80	
Missouri, Kansas and Texas Rwy. Co.									
New York, N. Y.									
Harry N. Waller	Inspector	Nov. 15, 1900			1,800		1,800.00		
Louis Abel	do	April 1, 1903			1,500		1,500.00		
John B. Hopper	do	Mar. 1, 1902			1,400		1,470.83		
Do.	do	Oct. 1, 1904			1,500				
A. F. Martins	do	Nov. 1, 1903			1,500		1,500.00		
M. B. Miller	do	Mar. 1, 1902			1,400				
Do.	do	Oct. 1, 1904			1,500		1,475.00		
J. J. Thackaberry	do	May 1, 1902			1,400				
Do.	do	Oct. 1, 1904			1,500		1,475.00		
Wm. R. Hynes	do	June 1, 1903			1,400		1,400.00		
R. G. Lawton	do	Mar. 1, 1903			1,400		116.66		
J. D. De Ronde	Assistant inspector	Oct. 1, 1900			1,200				
Do.	Inspector	Apr. 1, 1905			1,400		1,250.00		
Wm. Eckl	Assistant inspector	July 22, 1901			1,200				
Do.	Inspector	Oct. 16, 1904			1,400		1,341.67		
Moses Isaac	Assistant inspector	Apr. 22, 1903			1,200		1,200.00		
Major Schofield	do	Dec. 16, 1901			1,200		426.67		
Stephen A. Selby	do	Jan. 1, 1904			1,200		1,200.00		
Walter H. Yungst	do	July 12, 1902			1,200		1,200.00		
Emil Balzer	Microscopist	June 17, 1901			1,400		1,400.00		
Phil. Dietrich	Clerk	July 1, 1900			1,200		1,200.00		
John L. Burgess	Stock examiner	Feb. 15, 1903			900		150.00		
Do.	Field stock examiner	Sept. 1, 1904			1,000				
John C. Oren	Stock examiner	June 1, 1903			1,000		112.50		
Do.	Field stock examiner	Aug. 16, 1904			900				
L. E. Sargent	Stock examiner	Feb. 15, 1903			1,000		150.00		
Do.	Field stock examiner	Sept. 1, 1904			900		900.00		
J. F. Butterfass	Stock examiner	Oct. 1, 1901			900		895.00		
John J. Haggerty	do	do			900		645.00		
Edw. P. Hogan	do	Jan. 1, 1904			900				

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
MEAT INSPECTION—cont'd.									
South St. Joseph, Mo.—Cont'd.									
Wm. E. Day.	Inspector	Apr. 1, 1904			\$1,400		\$1,166.66		
C. M. McFarland	do	Sept. 16, 1903			1,400		1,400.00		
Chas. J. Morrow	do	Sept. 1, 1903			1,400		1,400.00		
Geo. D. Painter	do	July 1, 1904			1,400		1,400.00		
Frishie, T. Suit	do	June 1, 1904			1,400		1,166.66		
O. W. Everly	Assistant inspector	Jan. 13, 1902			1,200		1,250.00		
Do	Inspector	Apr. 1, 1905			1,400		1,400.00		
R. L. McClelland	Assistant inspector	Aug. 5, 1901			1,200		1,366.67		
Do	Inspector	Sept. 1, 1904			1,400		100.00		
Edward C. Carle	Assistant inspector	July 1, 1904			1,200		153.33		
Leroy M. Chambers	do	May 16, 1905	Aug. 15, 1905		1,200		1,200.00		
Oscar A. Diller	do	May 21, 1904	June 30, 1905		1,200		1,200.00		
C. L. Elliott	do	Jan. 27, 1903			1,200		1,200.00		
A. J. Farley	do	May 23, 1904			1,200		80.00		
Logan B. Huff	do	Apr. 9, 1904	July 24, 1904		1,200		150.00		
Henry Marshall	do	May 1, 1905			1,200		100.00		
W. R. O'Neal	do	Oct. 1, 1904	Nov. 29, 1904		1,200		836.67		
A. N. Reber	do	July 6, 1903	Mar. 11, 1905		1,200		1,200.00		
W. E. Welhe	do	Aug. 9, 1902			1,200		685.00		
P. P. Druckemiller	Clerk	Mar. 1, 1903	Apr. 4, 1905		900		795.00		
O. L. Leighton	Tagger	Nov. 1, 1901			720				
Do	Clerk	Nov. 16, 1904			840				
Phelps Paine	do	Nov. 1, 1900			1,000		166.67	\$8.70	
W. L. Upton	Field stock examiner	July 1, 1900			1,000		300.00		
Do	Stock examiner	Dec. 1, 1904			900		900.00		
Frank A. Ewing	do	May 1, 1894			900		990.00		
Robt. G. Knipple	do	Jan. 1, 1903			900		770.00		
Henry M. Lint	do	Mar. 1, 1904			900		900.00		
Wm. E. Mowrer	do	June 25, 1902			900		900.00		
S. C. Shale	do	Feb. 1, 1904			900		780.00		
R. M. Mahana	Tagger	June 1, 1893			720				
Do	Stock examiner	Mar. 1, 1905			900		420.00		
B. E. Newman	Tagger	Aug. 1, 1901			720		840.00		
Do	Stock examiner	Feb. 15, 1905			900		720.00		
John Summers	Tagger	Apr. 1, 1904			840				
Otto Augspurger	do	Apr. 20, 1904			720				

Irwin E. Barr.....	do.	May 16, 1904	720	346.00	
Frank L. Boone.....	do.	June 10, 1903	720	420.00	
Geo. S. Brown.....	do.	Aug. 10, 1903	720	720.00	
D. M. Campbell.....	do.	Apr. 24, 1903	720	154.00	
Clyde C. Clark.....	do.	Nov. 14, 1902	720	60.00	
Dallas W. Conner.....	do.	May 17, 1904	720	420.00	12.25
John W. Ebling.....	do.	Sept. 25, 1903	720	720.00	
H. Q. Edinger.....	do.	May 22, 1905	720	80.00	
M. J. Eisenhart.....	do.	Nov. 5, 1904	720	720.00	
Wm. Floyd.....	do.	July 11, 1904	720	420.00	5.20
Jere. C. Leyser.....	do.	Nov. 1, 1901	720	454.00	19.85
J. A. McKibbin.....	do.	May 20, 1904	720	720.00	
Geo. O. Marshall.....	do.	Aug. 15, 1902	720	420.00	
Geo. E. Maxwell.....	do.	Mar. 10, 1903	720	720.00	
Chas. W. Meyer.....	do.	June 19, 1902	720	720.00	
Harry L. Miller.....	do.	Sept. 20, 1904	720	562.00	
Thos. C. Miller.....	do.	Sept. 1, 1903	720	720.00	
Roddy K. Moon.....	do.	Apr. 15, 1904	720	720.00	
Wm. F. Neil.....	do.	Nov. 1, 1904	720	480.00	
Theo. Pickett.....	do.	May 16, 1904	720	346.00	
Robt. L. Scott.....	do.	Dec. 17, 1904	720	390.00	
Jas. E. Shelton.....	do.	May 1, 1903	720	720.00	
Fred C. Sigrist.....	do.	Mar. 20, 1903	720	570.00	
Saml. B. Wallace.....	do.	Apr. 20, 1904	720	200.00	
R. W. Wetzel.....	do.	do.	720	420.00	
J. A. Zimmerman.....	do.	Oct. 9, 1903	720	720.00	
Oregon Short Line R. R. Co.				Transportation, Leyser	32.00
Atchison, Topeka and Santa Fe Rwy. Co.				Transportation, Conner	30.50
Chicago, Burlington and Quincy Rwy. Co.				Transportation, Froyd.	8.50
L. E. Baker.....				Horse and buggy	
Do.				Office expenses	
St. Joseph Stock Yards Co.				Office rent	
Missouri and Kansas Telephone Co.				Telephone rental	
Rock & Co.....				Hauling	9.75
Combe Printing Co.				Copying bath and ink	8.25
<i>Cleveland, Ohio.</i>					
E. P. Schaffer.....	Inspector	Sept. 1, 1901	1,600	1,600.00	
W. T. Sparhawk.....	do.	Mar. 1, 1903	1,400	1,400.00	.50
Jas. T. Stuart.....	Assistant inspector	Mar. 1, 1898	1,200	1,200.00	
John J. Crowley.....	Stock examiner	Jan. 1, 1899	900	432.50	
Frank Fla.....	do.	Oct. 1, 1903	900	900.00	
Jos. E. Sawtell.....	do.	June 1, 1904	900	900.00	
John D. Shannon.....	do.	Apr. 1, 1903	900	900.00	
Louis N. Stumpf.....	do.	July 1, 1903	900	900.00	
Alice H. Richards.....	Clerk	Apr. 1, 1903	720	720.00	
Wm. H. Fisher.....	Tagger	June 25, 1903	720	60.00	
J. T. McNaghen.....	do.	Dec. 4, 1902	720	350.00	6.15

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
Cleveland, Ohio—Continued.									
Geo. W. Meyers	Tagger	Apr. 20, 1904			\$720		\$300.00		
M. R. Pritchard	do.	Oct. 20, 1904			720		504.00		
R. W. Wetzel	do.	Apr. 20, 1904			720		300.00		
Isabella Lace	Laborer			a 30.00			154.00		
Terre Haute and Indianapolis R. R. Co.						Transportation, McNaghten.		\$45.00	
Cedar Rapids, Iowa.									
Trajan A. Shipley	Inspector	Mar. 20, 1903			1,500		1,500.00		
Burton R. Rogers	do.	June 1, 1903			1,400		1,224.99		
W. B. Trenbeth	do.	Sept. 1, 1904			1,400		116.67	2.55	
John W. Poole	Laborer			2.00					
Do.	Assistant inspector	Jan. 1, 1905	June 30, 1905		1,200		702.00		
Alfred Day	Stock examiner	Sept. 1, 1898			900		85.00		
John Traher	do.	June 27, 1895			900		825.00	5.43	
D. N. Wheeler	do.	Feb. 28, 1902			900		712.50		
W. E. Churchill	Tagger	May 5, 1903			720		720.00		
Detroit, Mich.									
Louis K. Green	Inspector	Apr. 1, 1903			1,500		1,500.00		
R. J. Morrison	do.	Mar. 1, 1903			1,400		1,400.00		
Jas. M. Sommers	Stock examiner	do.			900		900.00		
A. Fleishaus	Laborer	Oct. 30, 1900	Aug. 3, 1904	2.00			2.00		
Ford Williamson	do.	do.	do.	2.00			2.00		
Louis K. Green						Street-car fares.		26.65	
Jersey City, N. J.									
Julius Huelsen	Inspector	Dec. 15, 1900			1,600		1,600.00		
A. McBride	do.	June 15, 1903			1,500		1,500.00		
D. J. Mangan	do.	Dec. 16, 1903			1,400		1,400.00		
Immanuel Due	Clerk	Mar. 2, 1896			900		900.00		
F. A. Fahnenbeck	Stock examiner	Feb. 14, 1903			900		895.00		
Geo. J. Hoerner	do.	Jan. 1, 1904			900		900.00		

Edw. P. Hogan	do	do	do	900	225.00	.....
John Purcell, Jr	Tagger	Sept. 1, 1893	.....	720	720.00	.....
Thomas Shea	do	July 17, 1893	.....	720	720.00	.....
Julius Huelsen	do	.....	.....	.....	Office expenses	117.05
<i>Louisville, Ky.</i>						
H. H. George	Inspector	Jan. 1, 1904	.....	1,600	1,600.00	.....
Herbert Caldwell	do	June 16, 1904	.....	1,500	1,500.00	.....
Bert J. Cady	Assistant inspector	June 23, 1904	.....	1,200	1,200.00	.....
Geo. W. Knorr	do	Nov. 17, 1902	.....	1,200	1,193.33	.....
A. T. Knowles	do	Apr. 28, 1904	.....	1,200	1,200.00	.....
Albert S. Harris	Clerk	Jan. 1, 1904	.....	900	900.00	.....
D. R. Alton	Stock examiner	Jan. 1, 1904	.....	900	900.00	.....
Jas. L. King	do	Feb. 1, 1904	.....	900	900.00	.....
Jas. M. Turner	do	Mar. 10, 1896	.....	900	900.00	.....
Geo. F. Babb	Tagger	Aug. 12, 1903	.....	720	180.00	15.60
John W. Brown	do	Oct. 9, 1903	.....	720	720.00	.....
Jno. A. Bushong	do	Mar. 9, 1904	.....	720	720.00	.....
Leon Durham	do	May 7, 1902	.....	720	360.00	.....
Wm. B. Ellison	do	Oct. 5, 1903	Aug. 18, 1904	720	96.00	.....
Chas. N. Jordan	do	Nov. 10, 1904	.....	720	462.00	24.50
New York, New Haven and Hartford R. R. Co.	.....	.....	.....	.....	Transportation, Babb	.....
H. H. George	.....	.....	.....	.....	Telephone, gas, etc	162.89
Bourbon Stock Yard Co.	.....	.....	.....	.....	Office rent	120.00
<i>Ottumwa, Iowa.</i>						
Joshua Miller	Inspector	Mar. 25, 1903	.....	1,500	1,495.83	28.84
F. T. Suit	do	June 1, 1904	.....	1,400	233.34	5.50
H. J. Hoyman	Assistant inspector	May 10, 1904	.....	1,200	476.67	11.55
Jno. V. Jewell	do	Nov. 1, 1904	Nov. 28, 1904	1,200	20.00	.....
Wm. H. Lytle	do	Jan. 4, 1904	.....	1,200	396.67	.....
Abraham Mader	Stock examiner	Jan. 1, 1894	.....	900	875.00	.....
T. B. Mahoney	do	May 16, 1904	.....	900	900.00	.....
Eustace T. Baker	Tagger	Dec. 21, 1903	.....	720	720.00	.....
Geo. C. Fletcher	do	Dec. 16, 1904	.....	720	392.00	.....
Frank W. Orme	do	May 5, 1904	.....	720	480.00	.....
F. H. Hoswell	do	Mar. 16, 1905	.....	720	210.00	5.63
Chicago, Rock Island and Pacific Rwy. Co.	.....	.....	.....	.....	Transportation, F. T. Suit	.....
<i>Philadelphia, Pa.</i>						
Chas. A. Schauler	Inspector	Jan. 1, 1901	.....	1,800	1,800.00	.....
Richd. W. Hewett	do	Mar. 1, 1902	.....	1,400	292.50	.....
Do	do	Sept. 1, 1904	.....	1,500	1,400.00	.....
Wm. R. Andress	do	Sept. 1, 1903	.....	1,400	1,400.00	.....
Willis G. Benner	Assistant inspector	Nov. 7, 1902	.....	1,200	1,200.00	.....
Chas. J. Bigley	Clerk	Aug. 1, 1901	.....	1,000	1,000.00	.....

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MEAT INSPECTION—cont'd.									
Philadelphia, Pa.—Cont'd.									
Morton Magee.....	Stock examiner.....	Feb. 15, 1904			\$900		\$900.00		
A. N. Pepperman.....	do.....	Oct. 1, 1901			900		900.00		
Matt. Robinson.....	do.....	Mar. 13, 1903			900		900.00		
Wm. T. Tippet.....	do.....	Oct. 1, 1901			900		890.00		
Geo. B. Wright.....	do.....	Jan. 1, 1897			900		62.50		
F. E. Carlton.....	Tagger.....	Mar. 6, 1901			720		720.00		
C. A. Schauffer.....	do.....					Horse and buggy			\$280.00
Do.....	do.....					Office expenses.			83.05
The Bell Telephone Co.....	do.....					Telephone rental.			104.00
Austin, Minn.									
M. O. Anderson.....	Inspector.....	Apr. 1, 1903			1,500		1,500.00		1.30
John Munn.....	Tagger.....	Feb. 2, 1903			720		540.00		
Do.....	Clerk.....	Apr. 1, 1905			840				
Fred J. McKane.....	Tagger.....	Mar. 16, 1905			720		212.00		
Sioux City, Iowa.									
Geo. A. Johnson.....	Inspector.....	June 1, 1904			1,600		1,600.00		
Henry Roome.....	do.....	Sept. 15, 1902			1,400				
Do.....	do.....	Apr. 16, 1905			1,500		1,420.83		
Harry B. Treman.....	Assistant inspector.....	Aug. 5, 1901			1,200				
Do.....	Inspector.....	Apr. 1, 1905			1,400		1,246.67		
Alfred B. Hollis.....	Assistant inspector.....	July 1, 1903			1,200		100.00		
Thos. A. Mabie.....	do.....	Sept. 1, 1904			1,200		1,000.00		
Robt. C. Musser.....	do.....	Nov. 15, 1904			1,200		750.00		
Chas. A. Rapp.....	do.....	July 23, 1904			1,200		600.00	\$5.90	
Reginald Thomas.....	do.....	Jan. 23, 1904			1,200		800.00		
Geo. W. Clark.....	Clerk.....	Mar. 1, 1898			900		900.00		
Chas. J. Chamberlin.....	Stock examiner.....	Jan. 1, 1899			900		900.00		
Myron H. Kling.....	do.....	Jan. 1, 1903			900		900.00		
Donald McDonald.....	do.....	Feb. 1, 1896			900		900.00		
A. L. Faunce.....	do.....	Mar. 16, 1901			900		75.00		
D. A. Winnie.....	do.....	Jan. 1, 1899			900		900.00		
K. S. Bagshaw.....	Tagger.....	Dec. 17, 1904			720		390.00		
Wm. C. Bryant.....	do.....	Dec. 15, 1904			720		2.00		

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
MEAT INSPECTION—cont'd.										
St. Louis, Mo.—Continued.										
A. A. Mahoney	Stock examiner	Feb. 1, 1904			\$900		\$900.00			
Geo. Markert	do	July 18, 1898			900		900.00			
David W. Braid	Tagger	Aug. 18, 1902			720		720.00			
P. C. Covington	do	Oct. 1, 1904			720		540.00			
Geo. Grubbs	do	Aug. 1, 1904			720		658.00			
Eoline R. Hand	do	Aug. 24, 1904			720		24.00			
L. C. Hagenmann	do	June 24, 1903			720		720.00			
Wm. H. Hyde	do	Feb. 12, 1904	Mar. 27, 1905		720		470.00			
R. T. McNaghten	do	Dec. 4, 1902	Jan. 26, 1905		720		60.00			
Wm. H. Skinner	do	July 1, 1904			720		120.00			
J. J. Brougham	do					Horse and buggy				\$540.00
Independent Stock Yards Co.	do					Office rent				300.00
Bloomington, Ill.										
Fredk. Braginton	Inspector	Mar. 20, 1903			1,500		1,500.00			18.60
Chas. Vandervoort	Tagger	Apr. 1, 1904			840		840.00			
South St. Paul, Minn.										
F. D. Ketchum	Inspector	June 1, 1904			1,600		1,600.00		\$39.08	14.93
Geo. T. Irons	do	July 1, 1904			1,500		1,416.67			
D. G. Shumway	do	do			1,500		1,470.83			
R. H. Harrison	do	Feb. 1, 1901			1,400		1,491.66			
Do.	do	Aug. 1, 1904			1,500					
R. W. Hewett	do	Mar. 1, 1902			1,400					
Do.	do	Sept. 1, 1904			1,500		1,220.83		15.45	
Rolla N. Mead	do	Apr. 1, 1903			1,400		1,400.00			
J. J. L. Holding	Assistant inspector	Dec. 7, 1903			1,200		700.00			
Andrew B. Niven	do	Oct. 15, 1902			1,200		1,200.00			
C. W. von Dorn	Clerk	Mar. 1, 1904			900		900.00			
John Munn	do	Apr. 1, 1905			840		210.00		5.20	
Walter A. Forbes	Stock examiner	May 1, 1904			900		897.50			
John Jacobson	do	Jan. 1, 1899			900		900.00			
Thos. M. Libby	do	Oct. 1, 1895			900		900.00			
M. E. Humphrey	Tagger	Nov. 18, 1901			900					
Do.	Stock examiner	Dec. 1, 1904			900		\$25.00			

Scott S. Bryant.....	Tagger.....	Oct. 1, 1904			720	540.00	
John R. Durkee.....	do.....	Sept. 8, 1903			720	720.00	
Wm. A. Edwards.....	do.....	Sept. 1, 1904			720	60.00	
Frank Hendricks.....	do.....	Sept. 20, 1902		Sept. 30, 1904	720	720.00	
Aaron F. Kellner.....	do.....	Oct. 24, 1904			720	492.00	26.02
Philadelphia and Reading Rwy. Co.							
Minnesota, St. Paul and Sault Ste. Marie Rwy. Co.							
F. D. Ketchum.....							300.00
<i>Seattle, Wash.</i>							
O. B. Hess.....	Inspector.....	Sept. 1, 1901			1,600	1,599.99	
Chas. F. Colson.....	Assistant inspector.....	June 12, 1905			1,200	66.33	
L. C. Henderson.....	do.....	Apr. 1, 1904			1,200	900.00	
W. M. Foster.....	Stock examiner.....	July 16, 1904			900	712.50	
Isiah H. Bailey.....	Tagger.....	Sept. 8, 1904			720	286.00	
Don H. Bark.....	do.....	Oct. 1, 1904			720	540.00	
M. J. Kurey.....	do.....	Dec. 15, 1902			720	730.00	
R. C. Shephard.....	do.....	Jan. 13, 1903			720	420.00	
J. L. Workman.....	do.....	Dec. 4, 1903			720	108.00	
M. M. Welch.....	Laborer.....	Aug. 25, 1904				48.00	
O. B. Hess.....							80.45
<i>Denver, Colo.</i>							
Albert J. Payne.....	Inspector.....	Jan. 18, 1904			1,600	266.67	7.95
Chas. H. Zink.....	do.....	Feb. 1, 1900			1,600	933.33	4.50
H. B. Chaney.....	do.....	Nov. 1, 1903			1,500	1,500.00	
Walter E. Howe.....	do.....	Dec. 1, 1903			1,500	375.00	
A. W. Swedberg.....	do.....	Jan. 1, 1903			1,400	829.15	
Do.....	do.....	May 16, 1905			1,300		
Thos. W. Osiel.....	Stock examiner.....	July 1, 1897			900	845.00	
H. V. Persells.....	do.....	Apr. 1, 1904			900	900.00	
F. L. Simpson.....	do.....	June 27, 1895			900	900.00	
F. H. Herlinger.....	Tagger.....	Nov. 1, 1901			720	736.00	
Do.....	do.....	May 1, 1905			900	480.00	
Chas. M. Coulter.....	Stock examiner.....	Oct. 1, 1904			720	60.00	11.05
N. G. Cunningham.....	Tagger.....	Oct. 1, 1904			720		17.00
Union Pacific R. R. Co.....	do.....						168.00
The Denver Union Stock Yards Co.							
The Cooper & Powell Furni- ture Co.							72.30
The Colorado Telephone Co.							56.80
Posting and Distributing Co.							3.00
<i>Portland, Oreg.</i>							
Clarence Loveberry.....	Inspector.....	Dec. 1, 1902			1,400	1,397.21	
Do.....	do.....	May 1, 1905			1,200	700.00	
Robt. E. Holm.....	Assistant inspector.....	Dec. 1, 1904					

Geo. S. Baker	Inspector	Apr. 1, 1904	1,800	1,800.00	168.60
Jos. S. Keane	Assistant inspector	May 11, 1903	1,200	1,156.67	
John J. Borden	Stock examiner	Mar. 2, 1896	900	898.75	
A. McSweeney	do	Feb. 15, 1896	900	655.00	
John E. Munn	do	Jan. 1, 1897	900	900.00	
T. J. Alexander	Tagger	Aug. 1, 1897	720	142.00	
<i>Nebraska City, Nebr.</i>					
W. H. Gibbs	Inspector	Sept. 1, 1893	1,200	1,200.00	
F. A. Dammann	Tagger	June 10, 1895	720	632.00	3.93
Ben E. Newman	do	Aug. 1, 1901	720	367.50	5.35
Do.	Stock examiner	Feb. 15, 1905	900	30.00	
F. W. Lawson	Laboret		2.00		
<i>Tacoma, Wash.</i>					
E. C. Joss	Assistant inspector	Oct. 7, 1902	1,200	500.00	9.85
I. H. Bailey	Tagger	Sept. 8, 1904	720	300.00	
R. C. Shepherd	do	Jan. 19, 1903	720	300.00	4.15
O. B. Hess	do				115.50
<i>Davenport, Iowa.</i>					
Eli L. Bertram	Inspector	June 1, 1904	1,500	1,500.00	2.63
Geo. C. Burke	Stock examiner	Jan. 1, 1894	900	900.00	
John Trainer	do	June 27, 1895	900	75.00	
<i>Nashville, Tenn.</i>					
W. B. Lincoln	Inspector	May 1, 1901	1,400	875.00	21.46
Do.	do	Oct. 1, 1904	1,500		
Geo. W. Browning	do	Sept. 16, 1901	1,400	816.67	17.15
Geo. M. Bettis	Clerk	May 1, 1903	840	140.00	14.90
Edw. S. Lentz	do	Jan. 31, 1905	720	420.00	2.00
Galveston, Harrisburg and San Antonio Rwy. Co.	Tagger	Oct. 20, 1904			25.80
Louisville and Nashville R. Co.					9.75
<i>Pittsburg, Pa.</i>					
Wm. O. McHugh	Assistant inspector	May 10, 1902	1,200	1,025.00	
Do.	Inspector	May 16, 1905	1,400		
N. C. Powell	Assistant inspector	Jan. 2, 1902	1,200	1,250.00	
Do.	Inspector	Apr. 1, 1905	1,400		
H. L. Bollinger	Stock examiner	Apr. 15, 1903	900	135.00	
Geo. W. Teter	Tagger	July 1, 1904	720	716.00	
R. W. Culbert	do	Sept. 18, 1903	720	120.00	
F. W. Ainsworth					15.20
Pittsburg Union Stock Yards Co.					90.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements:			Traveling.	Miscellaneous.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.				
MEAT INSPECTION—cont'd.											
Brightwood, Mass.											
W. J. Murphy	Inspector.	Apr. 1, 1903			\$1,500			\$1,500.00			
A. C. Chapin	Stock examiner.	Mar. 1, 1903			900			900.00			
Chas. E. Pearce	Tagger.	Oct. 1, 1904			720			540.00			
Quincy, Ill.											
Jas. S. Kelly	Inspector.	Apr. 1, 1903			1,500			1,500.00		\$14.60	
Jno. E. Felchner	Stock Examiner	Apr. 15, 1903			900			900.00			
John E. Potter	Tagger	July 2, 1903			720			414.00			
New Haven, Conn.											
N. K. Fegley	Inspector.	Apr. 1, 1903			1,500			625.00		3.45	
Albert Long	do	June 1, 1904			1,500			875.00	\$8.60	2.55	
Henry Leland	Stock examiner	Jan. 1, 1902			900			900.00			
Jno. L. Atchison	Tagger	July 1, 1900			720			720.00	3.00		
Des Moines, Iowa.											
A. B. Morse	Inspector.	Mar. 20, 1903			1,500			1,500.00		14.35	
B. R. Rogers	do	June 1, 1903			1,400			175.00			
A. C. Bennett	Tagger.	Dec. 20, 1901	May 6, 1905		720			612.00	12.72		
S. C. Stubbs	do	Sept. 12, 1904			720			578.00			
John I. Bagnall	Laborer			\$2.50				322.50	7.68		
Topeka, Kans.											
T. L. De Wolf	Inspector.	Apr. 1, 1903			1,500			1,500.00		2.25	
Wm. E. Hall	Stock examiner	do			900			900.00			
E. E. Laird	Tagger	Sept. 15, 1897			720			720.00			
Newark, N. J.											
John Wm. Fink	Inspector	June 1, 1904			1,500			875.00	28.20		

Marshalltown, Iowa.									
J. O. F. Price	do	Aug. 1, 1902	1,400						
Do	do	Oct. 1, 1904	1,500						
Jean I. Nelson	Tagger	Sept. 26, 1902	720					1,475.00	
Do	do	Nov. 22, 1904	840					280.00	5.50
R. Y. Maxson	do	June 1, 1903	720					720.00	8.70
Chic. & N. W. Rwy. Co							Transportation, Nelson		
Waterloo, Iowa.									
Thos. W. Scott	Inspector	Apr. 1, 1903	1,400					1,416.66	14.70
Do	do	May 1, 1905	1,500					900.00	
A. C. Akin	Stock examiner	July 16, 1903	900						
Worcester, Mass.									
Edw. P. Dowd	Inspector	Mar. 25, 1903	1,500					1,500.00	
P. J. McPartland	Tagger	Dec. 19, 1901	720					720.00	2.75
San Diego, Cal.									
Robert Darling	Inspector	Apr. 1, 1903	1,500					1,500.00	
Walter D. Benton	Stock examiner	Feb. 1, 1901	900					900.00	300.00
Robert Darling							Horse and buggy		
Mason City, Iowa.									
Robert Jay	Inspector	Apr. 1, 1904	1,400					1,400.00	6.75
Henry Roome	do						Traveling expenses		27.29
Chic. & N. W.	do						Transportation, R. Jay		10.02
Kimney & Burns	do						Desk and chair		39.50
Miscellaneous.									
R. P. Steddum	Inspector	Apr. 1, 1903	1,800					1,899.99	34.05
Do	do	Jan. 1, 1905	2,000					1,800.00	1,253.04
U. G. Houck	do	Apr. 1, 1903	1,800						168.45
S. R. Burch	do						Traveling expenses		198.52
R. W. Hickman	do						do		89.49
A. E. Behnke	do						do		55.00
The Fenna. R. Co	do						Passenger and freight transportation		1.05
The B. & O. R. R. Co	do						do		14.00
N. Y. C. & H. R. R. Co	do						do		20.73
C. C. & St. L. Rwy. Co	do						do		26.93
Chic. & N. W. Rwy. Co	do						do		54.66
C. R. I. & P. Rwy. Co	do						do		37.27
C. B. & Q. Rwy. Co	do						do		13.10
L. S. & M. So. Rwy. Co	do						do		27.00
Chic. & Alton Rwy. Co	do						do		11.25
Roston & Me. R. R. Co	do						do		5.00

[illegible]

MICROSCOPIC INSPECTION.

Chicago, Ill.

Inspector	Dec. 1, 1902	\$1,500		
Special stock examiner	Nov. 1, 1900	1,200		1,500.00
Clerk	Feb. 1, 1896	1,000		1,130.00
Tagger	Oct. 10, 1898	720		666.67
Stock examiner	Nov. 1, 1904	900		465.00
Tagger	Sept. 18, 1903	720		60.00
do	Nov. 10, 1899	720		120.00
do	Mar. 16, 1903	720		180.00
Herman Jacobus	June 27, 1895	720		480.00
O. E. Lindburg	Sept. 1, 1902	720		540.00
J. C. Lorenzen	June 27, 1895	720		720.00
J. H. McClure	Apr. 28, 1902	720		210.00
Do	May 1, 1905	900		714.00
Stock examiner	Aug. 15, 1891	720		
Tagger				
Thos. Sauer				
Walter J. Stewart				
John B. Sine				
E. B. Luce				
Mas. R. Simpson				
Do				
Robt. W. Culbert				
Bert Haskett				
H. V. Heatley, jr.				
Herman Jacobus				
O. E. Lindburg				
J. C. Lorenzen				
J. H. McClure				
Do				
Stock examiner				
Do				
Thos. Sauer				

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
MICROSCOPIC INSPECTION—continued.								
Chicago, Ill.—Continued.								
Dani. D. Tierney.....	Tagger.....	Sept. 19, 1904	Oct. 6, 1904		\$720		\$480.00	
Albert Wiley.....	do.....	July 25, 1901			720		192.00	
Maud S. Armstrong.....	Assistant microscopist.....	Apr. 6, 1898			600		474.19	
May E. Babblek.....	do.....	Oct. 6, 1898			600		475.02	
Ida Bannister.....	do.....	Sept. 1, 1893			600		470.86	
Katie Barrow.....	do.....	Nov. 1, 1892			600		234.18	
Mary K. Barry.....	do.....	May 1, 1895			600		475.02	
Audie E. Beameson.....	do.....	Apr. 23, 1894			600		466.68	
Matvina A. Bixby.....	do.....	Aug. 20, 1897			600		425.02	
Estella C. Bonds.....	do.....	Apr. 6, 1898			600		466.69	
Veturia E. Boyd.....	do.....	Feb. 17, 1897			600		43.33	
Kate H. Brady.....	do.....	Dec. 1, 1892			600		475.02	
Martha E. Brandt.....	do.....	Dec. 7, 1896			600		346.68	
Martha A. Brittan.....	do.....	May 16, 1898			600		473.35	
Laura D. Burke.....	do.....	June 22, 1891			600		168.34	
Katie A. Casey.....	do.....	Aug. 15, 1892			600		75.00	
Mary B. Clark.....	do.....	June 21, 1897			600		75.00	\$3.50
Ama F. Clarke.....	do.....	Sept. 1, 1893			600		460.01	
M. J. Connell.....	do.....	do.....			600		475.02	
Nora Conway.....	do.....	Oct. 10, 1892			600		461.19	
Trescy Cowan.....	do.....	May 16, 1898			600		400.19	
Lillie M. Crowell.....	do.....	Feb. 1, 1894			600		158.33	
Nellie E. Damon.....	do.....	Feb. 5, 1894			600		586.66	
Nina B. Davis.....	do.....	Jan. 3, 1898			600		475.02	
Della Dietz.....	do.....	Oct. 11, 1898			600		388.35	
Bertha L. Diller.....	do.....	Sept. 1, 1893			600		476.68	
Ella B. Earle.....	do.....	Mar. 25, 1895			600		475.01	
Eliz. K. Eckert.....	do.....	Mar. 16, 1895			600			
Do.....	Clerk.....	Oct. 15, 1904	Feb. 8, 1905		600		279.99	
Margret Enright.....	Assistant microscopist.....	Sept. 11, 1893			600		243.34	
Mattha. Evanson.....	do.....	Jan. 3, 1898			600		197.51	
Mary F. Goggin.....	do.....	Aug. 9, 1897			600		430.02	
Mary Gorman.....	do.....	Aug. 26, 1891			600		476.68	
Charlotto R. Grosse.....	do.....	Oct. 1, 1898			600		198.34	
Jennie E. Hatch.....	do.....	Sept. 7, 1897			600		476.68	
Bessie M. Healy.....	do.....	Oct. 6, 1898			600		473.35	

Tillie Hell.....	do	Jan. 3, 1898	.....	.....	476.68
Jessie Hickman.....	do	Dec. 20, 1897	.....	.....	476.68
Clara E. Holmes.....	do	Apr. 18, 1898	.....	.....	26.67
Nellie Holland.....	do	Nov. 8, 1894	.....	.....	71.67
May E. Hofsckiss.....	do	Mar. 1, 1895	.....	.....	470.01
Cora A. Houseman.....	do	June 10, 1898	.....	.....	319.17
Myrtle A. Hunt.....	do	Jan. 3, 1898	.....	.....	600
Mary Hurley.....	do	Dec. 1, 1893	.....	.....	253.34
Sarah A. Ingram.....	do	Apr. 11, 1898	.....	.....	461.60
Louise Johnson.....	do	Jan. 3, 1898	.....	.....	476.68
Mae B. Joslin.....	do	Aug. 20, 1897	.....	.....	476.68
Mary E. Keag.....	do	Sept. 1, 1893	.....	.....	461.68
Harriet F. King.....	do	Feb. 21, 1898	.....	.....	466.68
Alice Lawson.....	do	Aug. 9, 1897	.....	.....	468.34
Anastasia Lawrence.....	do	Sept. 7, 1897	.....	.....	470.00
Mary E. Leahy.....	do	Sept. 1, 1893	.....	.....	131.67
Kate R. Luce.....	do	Aug. 17, 1897	.....	.....	473.33
Rosanna McDonnell.....	do	Apr. 6, 1898	.....	.....	470.01
L. G. McGlasson.....	do	May 1, 1892	.....	.....	289.99
Amy T. Mace.....	do	Jan. 3, 1898	.....	.....	470.01
Flora F. Miller.....	do	Oct. 6, 1896	.....	.....	358.36
Mamie F. Murray.....	do	Sept. 1, 1893	.....	.....	73.33
Eliz. L. Nell.....	do	Jan. 3, 1898	.....	.....	1.45
Annie Nicolai.....	do	Sept. 16, 1891	.....	.....	470.01
Agnes B. O'Brien.....	do	Aug. 9, 1897	.....	.....	470.01
Bessie D. Ogden.....	do	Mar. 15, 1895	.....	.....	181.67
Jessie G. Ogden.....	do	Aug. 6, 1894	.....	.....	467.51
Louise C. Olson.....	do	Jan. 3, 1898	.....	.....	411.67
Grace Puette.....	do	June 15, 1898	.....	.....	371.68
Anna M. Quinn.....	do	Oct. 1, 1894	.....	.....	470.01
Agnes B. Rieder.....	do	Dec. 20, 1897	.....	.....	458.34
Sarah A. Riley.....	do	Feb. 1, 1894	.....	.....	470.01
Belle Ritter.....	do	Dec. 1, 1894	.....	.....	463.34
Lila Robinson.....	do	Feb. 1, 1894	.....	.....	466.85
Josephine Rockwell.....	do	Jan. 3, 1898	.....	.....	470.01
Mabel Rockwell.....	do	Oct. 1, 1891	.....	.....	427.52
Blanche Roy.....	do	Dec. 1, 1894	.....	.....	470.01
Blanche Rutledge.....	do	Jan. 1, 1893	.....	.....	470.01
Nellie A. Ryan.....	do	Oct. 10, 1892	.....	.....	394.16
Hannah Scanlan.....	do	Apr. 1, 1892	.....	.....	466.67
Ella Schwaln.....	do	Jan. 3, 1898	.....	.....	100.02
Mae Searls.....	do	Apr. 18, 1898	.....	.....	395.85
Mae H. Shaw.....	do	Dec. 7, 1896	.....	.....	470.01
Mary Sheehan.....	do	.....do	.....	.....	439.18
Nellie Sheehan.....	do	Oct. 6, 1898	.....	.....	406.01
Jennie M. Shufeldt.....	do	Dec. 1, 1894	.....	.....	133.33
Mary Somers.....	do	Feb. 16, 1895	.....	.....	468.34
Daisy Stewart.....	do	Feb. 1, 1898	.....	.....	470.01
W. O. Sutherland.....	do	Feb. 1, 1894	.....	.....	470.01
Maggie Taylor.....	do	Feb. 15, 1894	.....	.....	81.66
Il. Inez Temple.....	do	Dec. 1, 1904	.....	.....	276.67
Katherine Tully.....	do	Mar 1, 1895	.....	.....	470.01

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
MICROSCOPIC INSPECTION—continued.									
Chicago, Ill.—Continued.									
Josephine C. Tully	Assistant microscopist.	Jan. 3, 1898			\$600		\$470.01		
Mildred E. Walters	do	Nov. 24, 1896			600		350.00		
Katharine Welland	do	Dec. 17, 1894			600		436.68		
Carrie Wells	do	Dec. 18, 1893			600		470.01		
Clara Werther	do	Sept. 1, 1891			600		456.68		
Marian Williams	do	Sept. 1, 1893			600		350.01		
Mary E. Williams	do	Oct. 25, 1897			600		464.18		
Edith W. Dewey	Laborer.	Nov. 1, 1898			a \$30.00		359.00		
Selena Hosken	do	Dec. 1, 1897			a 30.00		559.00	\$3.15	
The Penna. R. R. Co.						Transportation, F. F. Miller.		6.25	
The P., C., & St. L. Rwy. Co.						Transportation, M. B. Clark.			\$2,700.00
Gahan & Byrne.						Office rent.			419.85
John C. Lorenzen						Horse and wagon			332.18
Chicago Towel Supply Co.						Towel service			115.87
The Consumers' Co.						Ice.			15.50
J. Haberle						Repairing lock boxes			4.00
The Fair						Oilcloth			4.00
O. E. Dyson.						Office expenses.			3.45
Kansas City, Kans. and Mo.									
Mary Henry	Assistant microscopist.	Sept. 1, 1893			600		30.00		
Kate Lynch	do	Jan. 10, 1898			600		103.33		
Kate Martana	do	Jan. 11, 1893			600		103.33		
Clara M. Waldo	do	Feb. 7, 1898			600		100.00		
F. B. Woodson	do	Oct. 1, 1893			600		96.66		
Silver Laundry and Towel Co.									1.95
South Omaha, Nebr.									
Howard Baker	Assistant inspector.	July 25, 1904			1,200		900.00		
Edgar Jackson	Tagger.	June 15, 1903			720		530.00		
Harry F. Teeter	do	Nov. 10, 1904			720		462.00		
Amelia M. Allyn	Assistant microscopist.	May 16, 1898			600		30.00		
Mary A. Atwood	do	Feb. 7, 1898			600		448.33		
Mehtetab Barnes	do	Sept. 10, 1901			600		448.33		

Maud B. Beck	do.	Feb. 10, 1898	600	41.67	
Daisy M. Cartor	do.	Feb. 1, 1902	600	31.67	
Mollie A. Colvin	do.	June 1, 1898	600	431.66	
A. M. De Lanney	do.	Sept. 10, 1901	600	346.66	
E. M. Fansher	do.	June 1, 1898	600	431.66	
Louise Faust	do.	Nov. 1, 1894	600	118.33	
Lulu E. Gibson	do.	May 22, 1893	600	80.00	
Margaret Hogan	do.	June 16, 1893	600	431.66	
Daisy C. Maus	do.	Sept. 26, 1898	600	431.67	
Mary E. Price	do.	Sept. 1, 1897	600	403.34	
Fannie Sage	do.	Aug. 20, 1897	600	436.67	
Dora Sawhill	do.	Sept. 10, 1901	600	441.67	
Edith M. Sayre	do.	Feb. 1, 1903	600	128.33	
Lulu E. Shevlen	do.	Nov. 26, 1904	600	270.00	
Lizzie Spencer	do.	Aug. 20, 1897	600	431.67	
Mabel F. Stevens	do.	Sept. 10, 1901	600	440.00	
H. S. Wainwright	do.	Sept. 1, 1897	600	376.66	
Mary Lynch	do.	Aug. 1, 1901	600	222.50	
Frontier Towel Supply Co.	do.			Towel service	51.70
South Omaha Novelty Works	do.			Bracing tables	7.50
<i>Miscellaneous.</i>					
E. J. Brooks & Co.	do.			Compressor glasses	40.75
Geo. E. Howard	do.			Duplicate tags, stamps, etc.	38.50
American Tag Co.	do.			Tag fasteners	32.00
Elmer H. Carlin & Co.	do.			Plating compressor frames	3.00
Chic. & N. W. Rwy. Co.	do.			Freight on tag fasteners	.29
				52,421.88	21.10
					3,769.54

Statement of disbursements from emergency appropriation, Bureau of Animal Industry.

[illegible]

a Per month.

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.			Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.	
<i>To eradicate contagious diseases of animals—Cont'd.</i>									
Harry M. Ball.	Inspector.	Mar. 1, 1902			\$1,400		\$375.00	\$269.55	
Do.	do.	Oct. 1, 1904			1,500				
W. C. Barth.	do.	Oct. 1, 1903			1,500		125.00	192.10	
R. J. Blanche.	do.	Apr. 1, 1903			1,500		\$75.00	339.64	
George A. Bond.	do.	Dec. 1, 1903			1,500		125.00	86.35	
C. H. Bugbee.	do.	Jan. 1, 1904			1,500		\$75.00	560.34	
S. E. Cosford.	do.	May 1, 1900			1,400				
Do.	do.	Aug. 1, 1904			1,500		116.66		
Roy N. Drake.	do.	Jan. 1, 1904			1,500		\$75.00	424.75	
Frank C. Bells.	do.	Nov. 1, 1903			1,500		500.00	278.10	
Wm. R. Fleming.	do.	Jan. 10, 1904			1,500		\$75.00	372.10	
John S. Grove.	do.	May 1, 1902			1,400		316.67	84.90	
Do.	do.	Aug. 16, 1904			1,500				
H. J. Hammond.	do.	Sept. 1, 1902			1,400		\$58.33	380.75	
Do.	do.	Sept. 1, 1904			1,500				
D. C. Hanawalt.	do.	May 1, 1904			1,500		\$75.00	491.95	
John J. Hayes.	do.	July 12, 1902			1,400		866.66	472.75	
Do.	do.	Aug. 1, 1904			1,500				
Walter E. Howe.	do.	Dec. 1, 1903			1,500		\$75.00	189.40	
E. N. Hutchinson.	do.	Apr. 1, 1903			1,500		\$75.00	747.15	
J. Otis Jacobs.	do.	Dec. 1, 1903			1,500		\$75.00	491.20	
Peter I. Kershner.	do.	June 1, 1903			1,500		\$75.00	209.35	
John A. Kiernan.	do.	June 15, 1903			1,500		125.00	193.30	
M. S. Lantz.	do.	Jan. 1, 1904			1,500		\$75.00	357.89	
Chester Miller.	do.	Dec. 1, 1903			1,500		312.50	197.45	
I. W. O'Rourke.	do.	Sept. 1, 1902			1,400		\$58.33	448.75	
Do.	do.	Sept. 1, 1904			1,500				
Joseph W. Parker.	do.	Jan. 1, 1904			1,500		375.00	137.80	
A. J. Pistor.	do.	do.			1,500		\$75.00	340.35	
Hugh M. Rowe.	do.	do.			1,500		\$75.00	370.10	
W. A. Savage.	do.	Mar. 16, 1903			1,500		\$75.00	541.03	
N. B. Smith.	do.	July 1, 1904			1,500		\$75.00	321.00	
Geo. E. Totten.	do.	Jan. 1, 1904			1,500		\$75.00	238.90	
N. L. Townsend.	do.	Aug. 1, 1902			1,400		862.49	212.25	
Do.	do.	Aug. 16, 1904			1,500				
Robt. L. Treacy.	do.	Sept. 16, 1901			1,400				
Do.	do.	Aug. 1, 1904			1,500		116.66	101.90	

Thomas White	do.	Sept. 1, 1902	1,400	858.33	353.65
Do.	do.	Sept. 1, 1904	1,500	125.00	11.75
Alex. F. Wight	do.	Apr. 1, 1904	1,500	858.33	330.75
W. W. Worcester	do.	Sept. 1, 1902	1,400	350.00	190.65
Do.	do.	Sept. 1, 1903	1,400	583.33	86.60
N. V. Boyce	do.	Sept. 16, 1901	1,400	116.66	88.75
G. W. Browning	do.	June 1, 1903	1,400	233.33	7.55
Emerson J. Cary	do.	Sept. 1, 1903	1,400	116.66	81.50
W. S. Cass	do.	Sept. 1, 1903	1,400	100.00	71.65
H. H. Collins	do.	Sept. 25, 1900	1,400	816.66	174.65
W. F. Crewe	Assistant inspector	Aug. 1, 1904	1,400	785.55	146.98
Chas. W. Downing	do.	May 16, 1904	1,400	700.00	460.35
E. J. Foreman	do.	Mar. 16, 1903	1,400	316.67	237.50
H. J. Hancock	do.	Dec. 16, 1903	1,200	466.66	241.80
W. H. Hurst	Assistant inspector	Jan. 24, 1903	1,200	816.66	241.75
Do.	Inspector	Sept. 1, 1904	1,400	816.66	376.00
Marion Imes	do.	Feb. 1, 1904	1,400	816.66	83.85
W. L. Johnson	do.	Oct. 1, 1903	1,400	816.66	464.50
Wm. F. Jones	do.	Jan. 16, 1904	1,400	350.00	181.05
W. M. MacKellar	do.	June 1, 1903	1,400	116.66	58.20
H. R. McNally	do.	Jan. 16, 1904	1,400	816.66	247.20
F. E. Murray	do.	June 1, 1903	1,400	733.33	312.45
L. A. Nutting	do.	Nov. 1, 1903	1,200	300.00	98.70
Theo. S. Rich	do.	May 23, 1901	1,400	692.22	465.70
Jno. M. Simpson	Assistant inspector	Aug. 1, 1904	1,400	600.00	345.01
Do.	Inspector	Sept. 22, 1904	1,200	100.00	42.20
Ed. R. Allen	Assistant inspector	Apr. 1, 1901	1,000	292.22	222.10
A. L. Bailey	Field stock examiner	July 15, 1904	1,200	100.00	70.90
Do.	Assistant inspector	June 1, 1904	1,200	100.00	34.50
C. R. Behler	do.	June 15, 1903	1,200	663.33	272.25
W. J. Braden	do.	Feb. 20, 1904	1,200	526.67	124.55
Wm. J. Butler	Field stock examiner	Apr. 1, 1901	1,000	113.33	38.25
L. S. Campbell	Assistant inspector	July 15, 1904	1,200	70.00	96.45
Do.	do.	June 6, 1904	1,200	300.00	156.30
B. C. Davis	do.	May 1, 1903	1,200	400.00	303.36
T. J. Eagie	do.	Mar. 20, 1903	1,200	156.67	71.25
Jas. E. Ellis	do.	June 23, 1902	1,200	700.00	619.95
Fred Evans	do.	Oct. 1, 1901	1,200	400.00	152.90
Robt. J. Foster	do.	Sept. 30, 1904	1,200	700.00	498.55
Frank J. Glynn	do.	July 12, 1904	1,200	350.00	126.40
Wm. Hamilton	do.	Dec. 16, 1903	1,200		
C. C. Heacock	do.	July 1, 1903	1,200		
Leslie M. Hurt	do.	Aug. 4, 1903	1,200		
F. L. Kampschmidt	do.	Jan. 4, 1904	1,200		
Wm. H. Lytle	do.	Jan. 23, 1903	1,200		
S. W. McClure	do.	Dec. 31, 1904	1,200		
W. H. Martin	do.	Oct. 1, 1904	1,200		
Orrin W. Noyes	do.	July 1, 1904	1,200		
J. P. O'Connor	do.	Dec. 18, 1903	1,200		
Frank Parker	do.	Oct. 22, 1900	1,200		
X. I. Richmond	do.	May 1, 1902	1,200		

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
<i>To eradicate contagious diseases of animals—Cont'd.</i>								
E. S. Roberts.	Assistant inspector.	Sept. 1, 1904	Apr. 15, 1905	---	\$1,200		\$486.67	\$67.45
W. Schumacher.	do.	May 1, 1903		---	1,200		200.00	161.45
Wm. A. Skinner.	do.	July 1, 1904		---	1,200		500.00	315.60
O. A. Stingley.	do.	Sept. 10, 1902		---	1,200		86.67	
Laomer West.	do.	June 15, 1903		---	1,200		700.00	429.95
C. J. Young.	do.	May 5, 1904		---	1,200		573.33	499.45
A. L. Simons.	Special agent.	July 11, 1904		---	1,000		558.33	508.20
N. R. Adams.	Field stock examiner.	May 1, 1904		---	1,000		458.33	529.35
Do.	Stock examiner.	Dec. 16, 1904		---	900			
H. E. Armstrong.	Field stock examiner.	Mar. 1, 1904		---	1,000		583.33	768.96
A. H. Bibb.	Stock examiner.	May 1, 1896		---	900		500.00	311.69
Do.	Field stock examiner.	Aug. 1, 1904		---	1,000		583.33	193.40
Chas. A. Brown.	do.	July 1, 1903		---	1,000			
Oliver W. Byrd.	Stock examiner.	Aug. 1, 1898		---	900		280.54	88.55
Do.	Field stock examiner.	Aug. 15, 1904		---	1,000			
Do.	Stock examiner.	Dec. 1, 1904		---	800			
Colin Campbell.	Special field stock examiner.	July 23, 1904		---	1,000		166.67	203.45
F. C. Cooley.	Field stock examiner.	July 1, 1903		---	1,000		525.00	628.90
Wm. R. Dennis.	do.	Oct. 1, 1895		---	1,000		583.33	556.85
H. D. Freeman.	Stock examiner.	Sept. 7, 1904		---	900			
Do.	Field stock examiner.	Jan. 16, 1905		---	1,000		358.33	315.50
Do.	Stock examiner.	Nov. 1, 1903		---	900			
S. D. Gillett.	Field stock examiner.	Feb. 15, 1894		---	1,000		583.33	550.00
Washington Gobble.	Stock examiner.	Sept. 16, 1904		---	900			
Do.	Field stock examiner.	Jan. 1, 1905		---	1,000		291.66	190.85
M. T. Hescall.	Field stock examiner.	July 16, 1903		---	1,000		583.33	289.00
D. R. Hodges.	do.	July 1, 1903		---	1,000		583.33	473.00
Do L. Howard.	Stock examiner.	Feb. 1, 1903		---	900		502.78	344.75
Do.	Field stock examiner.	July 15, 1904		---	1,000			
R. E. L. Jackson.	Stock examiner.	Jan. 16, 1905		---	900		250.00	315.00
T. J. Lowry.	Field stock examiner.	Apr. 1, 1904		---	1,000		250.00	191.30
H. L. McDonald.	do.	June 15, 1903		---	1,000			
Do.	Stock examiner.	May 1, 1894		---	900		562.50	218.60
John C. Massie.	Field stock examiner.	Sept. 16, 1904		---	1,000		583.33	701.90
Jay Merrill.	do.	Feb. 1, 1904		---	1,000		583.33	789.25
Do.	do.	June 15, 1903		---	1,000			

John C. Oron	Stock examiner	June 1, 1903	900	458.32	384.12
Do.	Field stock examiner	Aug. 16, 1904	1,000	583.33	583.33
F. O. Pettay	do.	July 1, 1903	1,000	583.33	530.30
Wm. F. Pfleging	do.	do.	1,000	250.00	139.25
W. S. Pidcock	do.	May 1, 1904	1,000	250.00	200.95
Wm. Proudfoot	do.	Dec. 1, 1903	1,000	372.22	361.00
Thomas B. Rea	do.	Apr. 1, 1903	1,000	583.33	92.40
Thos. Redmond	Stock examiner	Sept. 16, 1904	1,000	583.33	796.65
Isaiah Richards	Field stock examiner	July 1, 1903	1,000	75.00	103.40
Do.	do.	Apr. 26, 1904	900	250.00	248.75
Cecil K. Schafer	Field stock examiner	Aug. 1, 1904	1,000	499.98	610.30
F. W. Schatzell	do.	May 16, 1904	1,000	583.33	239.25
Henry Singleton	do.	Apr. 1, 1904	1,000	166.65	19.90
Do.	do.	Apr. 8, 1905	1,000	416.65	346.11
A. J. Smith	Stock examiner	Jan. 1, 1905	900	130.00	80.85
Field stock examiner	do.	July 1, 1903	900	190.00	328.75
Clerk	do.	Nov. 1, 1903	900	187.50	107.80
Edw. O. Speake	Field stock examiner	Dec. 1, 1904	900	110.00	81.15
Do.	do.	Feb. 1, 1904	900	150.00	100.47
W. L. Upton	do.	Dec. 1, 1904	900	525.00	169.63
Do.	do.	Mar. 1, 1903	900	260.00	203.70
A. G. Bibb	Stock examiner	Apr. 15, 1903	900	225.00	307.85
Edw. A. Bundy	do.	June 1, 1904	900	225.00	123.65
C. E. Campbell	do.	May 1, 1904	900	187.50	97.65
C. E. Campbell	do.	Feb. 1, 1896	900	443.00	475.40
C. C. Conley	do.	Mar. 1, 1904	900	490.00	17.50
Frank Jelen	do.	Nov. 23, 1904	900	443.00	641.10
R. G. Merrill	do.	Nov. 22, 1904	840	98.00	104.55
G. H. Robinson	do.	Nov. 22, 1904	840	50.00	68.70
Chas. F. Rork	do.	Dec. 21, 1903	720	300.00	14.50
S. I. Valentine	do.	May 17, 1904	720	240.00	174.40
D. N. Wheeler	do.	Jan. 23, 1903	720	180.00	352.34
Wm. E. Burrows	do.	Oct. 5, 1903	720	60.00	41.30
Do.	do.	Dec. 12, 1901	720	180.00	167.42
Elias Gilmore	do.	May 7, 1902	720	180.00	265.35
Claude E. Verry	do.	July 4, 1902	720	180.00	190.25
Do.	do.	May 4, 1904	720	180.00	294.00
Geo. F. Babb	do.	Aug. 4, 1903	720	180.00	209.75
A. S. Brown	do.	Mar. 12, 1903	720	180.00	272.00
Dellias W. Conner	do.	Dec. 26, 1901	720	70.00	246.30
Gilbert F. Creech	do.	Nov. 1, 1901	720	420.00	694.70
F. C. Dauncey	do.	Aug. 12, 1901	720	180.00	105.25
Geo. M. Dishong	do.	May 9, 1903	720	272.00	322.33
Leon Durlham	do.	Nov. 10, 1903	720	180.00	280.56
Jas. C. Exline	do.	Sept. 1, 1903	720		
John H. Folts	do.				
Benj. F. Gooch	do.				
Geo. A. Hanvey, Jr.	do.				
Jas. M. Lawson	do.				
Jere C. Leyser	do.				
Roy C. Livers	do.				
Chas. E. Moore	do.				
L. W. Morrissey	do.				
Robt. R. Newman	do.				

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Traveling.
<i>To eradicate contagious diseases—Cont'd.</i>								
E. R. O'Neil.....	Tagger	Apr. 1, 1903	Oct. 31, 1904		\$720	.....	\$180.00	\$194.85
F. C. O'Rourke.....	do.	Dec. 19, 1901	May 31, 1905		720	.....	180.00	239.03
John L. Osborn.....	do.	Feb. 7, 1903			720	.....	342.10	342.10
Joseph C. Reid.....	do.	Nov. 1, 1902			720	.....	360.00	265.35
C. H. Robinson.....	do.	Oct. 1, 1902			720	.....	240.00	348.60
Ired C. Sigrisf.....	do.	Mar. 20, 1903			720	.....	192.34	192.34
Harry A. Smith.....	do.	Oct. 9, 1903			720	.....	288.00	361.45
Edw. S. Spindler.....	do.	Nov. 4, 1902			720	.....	420.00	580.58
C. G. Sutton.....	do.	June 12, 1903			720	.....	180.00	156.55
F. R. Washburn.....	do.	Oct. 6, 1898			720	.....	240.00	198.10
John H. Webster.....	do.	Mar. 2, 1896			720	.....	420.00	137.35
H. H. Cohenour.....						Traveling expenses.....		138.95
J. A. Stauffer.....						do.....		71.50
J. Anglicker.....						do.....		35.25
A. M. Blackwell.....						do.....		51.50
J. G. Fish.....						do.....		115.96
C. F. Harrington.....						do.....		59.60
W. L. West.....						do.....		34.63
E. W. Weston.....						do.....		86.10
E. P. Schaffter.....						do.....		5.70
W. W. Crandall.....						do.....		25.15
Geo. D. Warner.....						do.....		44.10
John A. Sloan.....						do.....		37.80
A. G. G. Richardson.....						do.....		84.15
A. C. Hart.....						do.....		80.75
H. J. Hoyman.....						do.....		54.75
Wm. M. Cummins.....						do.....		49.50
C. H. Zink.....						do.....		28.00
R. M. Mullings.....						do.....		53.40
C. M. Coulter.....						do.....		33.25
W. E. Day.....						do.....		83.80
J. J. Gallagher.....						do.....		86.00
C. A. Johnston.....						do.....		92.57
J. C. Bowman.....						do.....		110.75
L. C. Henderson.....						do.....		15.50
The Penna. R. R. Co.....						Transportation, J. C. Oyen.....		62.27
The Oreg. R. R. & Nav. Co.....						Transportation, G. S. Hickox.....		10.60

Den. & Rio G. R. Co.	Transportation, Hickox, Con- ley, et al.	131.30	.....
Oreg. Short Line R. R. Co.	Transportation, Clarke, Hurt, et al.	155.40	.....
The A., T. & S. Fe Rwy. Co.	Transportation, Byrd, Con- ner, et al.	709.35	.....
The Mo. Pac. Rwy. Co.	Transportation, Bibb, Mil- ler, et al.	184.80	.....
C., B. & Q. Rwy. Co.	Transportation, Howard, Mc- Donald, et al.	161.50	.....
Union Pacific R. R. Co.	Transportation, Reid, Young, et al.	113.20	.....
Chic. & N. W. Rwy. Co.	Transportation, Rork, Rob- inson, et al.	25.60	.....
C., M. & St. P. Rwy. Co.	Transportation, F. C. Cooley	43.00	.....
The Colo. & So. Rwy. Co.	Transportation, Moore and Osborn.	45.55	.....
La., H. & St. L. Rwy. Co.	Transportation, Babb and Durham.	89.30	.....
Ft. W. & Den. City Rwy.	Transportation, Brown, Skinner, et al.	115.60	.....
The L. S. & M. So. Rwy.	Transportation, Dishong and Ball.	113.00	.....
N. Y. C. & H. R. R. R. Co.	Transportation, Warner.	63.75	.....
Louis. & Nash. R. R. Co.	Transportation, Warner and Houck.	20.80	.....
El P. & N. E. Rwy. Co.	Transportation, Campbell.	31.20	.....
C., R. I. & P. Rwy. Co.	Transportation, L. Clarke.	72.50	.....
The Pecos Val. & N. E. Rwy.	Transportation, F. C. Sigris	27.10	.....
Southern Rwy. Co.	Transportation, Richardson.	13.75	.....
N. C. & St. L. Rwy. Co.	do.	6.83	.....
The C. & A. Rwy. Co.	Transportation, McCabe.	7.50	.....
No. Pacific Rwy. Co.	Transportation, Davison.	16.65	.....
F. Auerbach & Bro.	Rent.	\$240.00	.....
James Leonard.	do.	180.00	.....
E. G. Gareis, agent.	do.	112.00	.....
St. James Hotel Co.	do.	44.00	.....
Z. D. Gilman.	Thermometers	45.00	.....
Quick Hawk.	Two colts	10.00	.....
R. G. Merrill.	Horse and buggy	210.00	.....
N. L. Townsend.	do.	175.00	.....
W. S. Cass.	do.	68.00	.....
Louis Metsker.	Furniture, hauling, etc.	212.22	.....
Baltimore and Ohio R. R. Co.	Freight on horses	94.45	.....
Rocky Mountain Bell Tele- phone Co.	Telephone rental	45.00	.....
The Colorado Telephone Co.	do.	24.15	.....
A. A. Holcombe.	do.	6.00	.....
R. A. Ramsay.	do.	8.00	.....
C. W. Deming.	do.	1.50	.....
The Jas. G. Kilpatrick Fur- niture Co.	Office furniture.	77.30	.....

International Mercantile Marine Co.	Transportation, G. F. Thompson.	225.00	.....
N. Y. C. & H. R. R. Co.	Transportation, W. L. Car-lyle.	48.75	.....
Southern Rwy. Co.	Transportation, G. M. Rom-mel.	27.50	.....
The West. Rwy. of Ala	do	20.96	.....
M. H. Tichenor & Co.	Stallion and 12 mares	9,000.00	.....
Geo. D. Rainsford	Six brood mares	2,400.00	.....
Magrath & Kennelly.	Shipping mares	1,330.00	.....
Colorado experiment station.	Six Angus steers	44.00	.....
W. G. Little	Twelve steers	139.10	.....
Cobb & McMillan.	Seven steers	251.90	.....
Spratt & Stinson.	Building poultry houses	140.22	.....
C. D. Woods, director	Wire fencing	800.00	.....
Fort Collins Hardware Co.	Feed, freight, scales, etc.	198.40	.....
Alabama experiment station	Camera and lens	156.30	.....
Taylor, Taylor & Hobson (Limited.)	Film packs	21.60	.....
E. J. Pullman.	Photographs and supplies	39.78	.....
W. P. Cox.	Plumbers' material	23.94	.....
Phillips, Yarbrough & Allen.	Horse blankets	32.00	.....
Stock Yards Harness and Saddlery Co.	Feed	44.50	.....
Union Stock Yard and Trans- sit Co.	Lumber	45.21	.....
T. A. Whatley	do	4.48	.....
Zellars Bros.	Building shed	38.50	.....
Jacob J. Pitts.	Wire fencing	21.34	.....
G. W. Barnett Hardware Co.	Labor	16.73	.....
Pennsylvania experiment sta- tion	Hardware	15.60	.....
J. W. Harris	Tarred roofing	12.78	.....
King Hardware Co.	Flooring	3.53	.....
East Alabama Lumber Co.			.....
	3,052.08	970.86	15,576.48

a Per month.

()

